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APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXF
FILE REPERENCE: ISPH-0544
CURRENT APPLICATION NUMBER: US/10/293,783
CURRENT FILING DATE: 2002-11-13
PRIOR PRILING DATE: 2001-03-07
PRIOR FILING DATE: 2001-03-07
PRIOR FILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 66
LENGTH: 20
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APPLICANT: Padigaru, Muralidhara
APPLICANT: Anderson, David
TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING
TITLE OF INVENTION: THEM
TITLE OF INVENTION: THEM
CURRENT APPLICATION NUMBER: 08/10/119,431
CURRENT FILING DATE: 2002-11-15
PRIOR APPLICATION NUMBER: 60/103,195
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                                                                                                                     Length 20;
                                                                                                                Query Match 0.6%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 1.48+03; Matches 17; Conservative 0; Mismatches 3;
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                                  OTHER INFORMATION: Antisense Oligonucleotide
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PRIOR APPLICATION NUMBER: 60/282,548
PRIOR PILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/412,231
PRIOR FILING DATE: 1999-10-05
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                      2342 AAAGTGCTGGGATTACAGGC 2361
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                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 66, Application US/10293783; Publication No. US20030130222A1; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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APPLICANT: Serhusen, Bryan
APPLICANT: Zhong, Mei
APPLICANT: Khramtsov, Nikolai
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Hong Zhang
                                                                US-10-293-783-49
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APPLICANT:
APPLICANT:
             FEATURE:
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APPLICANT: Jacqueline Wyatt
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTIERNSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR
FILE REFERENCE: ISPH-0544
CURRENT APPLICATION NUMBER: US/10/293,783
CURRENT FILING DATE: 2002-11-13
PRIOR PELLING DATE: 2001-03-07
PRIOR PELLING DATE: 2001-03-07
PRIOR PELLING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 33
LENGTH: 20
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APPLICANT: Hong Zhang
APPLICANT: Hong Zhang
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR
TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR
FILE REFERENCE: 1SPH-0544
CURRENT APPLICATION NUMBER: US/09/800,631
PRIOR FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US/09/657,346
PRIOR FILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 49
LENGTH: 20
TYPE: DAA
ONGANISM: Artificial Sequence
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                                                                                                                                                                                                              ) OTHER INFORMATION: Antisense Oligonucleotide US-10-293-783-32
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PRIOR APPLICATION NUMBER: US/09/657,346
PRIOR FILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                 2275 GGTTTCACCGTGTTAGCCAG 2294
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Publication No. US20030130222A1
GENERAL INFORMATION:
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Sequence 49, Application US/10293783; Publication No. US20030130222A1; GENERAL INFORMATION:
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                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
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FRIOR APPLICATION NUMBER: 60/026943
FRIOR APPLICATION NUMBER: 60/026943
FRIOR FILING DATE: 1996-04-01
FRIOR FILING DATE: 1996-09-23
FRIOR FILING DATE: 1997-09-23
FRIOR PILING DATE: 1997-07-17
FRIOR FILING DATE: 1997-09-19
FRIOR FILING DATE: 1997-09-19
FRIOR FILING DATE: 1997-10-10
FRIOR FILING DATE: 1997-10-10
FRIOR FILING DATE: 1997-10-10
FRIOR FILING DATE: 1997-10-17
FRIOR FILING DATE: 1997-10-24
FRIOR FILING DATE: 1997-10-24
FRIOR FILING DATE: 1997-10-24
FRIOR FILING DATE: 1997-11-24
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; Publication No. US20030170679A1
; GENERAL INFORMATION:
; APPLICANT: Wagner, Susanne
; APPLICANT: Parodi, Luida
; APPLICANT: Parodi, Luida
; TITLE OP INVENTION: Single Nucleotide Polymorphisms in GH-1
; TITLE OP INVENTION: Single Nucleotide Polymorphisms in GH-1
; CURRENT PAPLICATION NUMBER: US/10/289,845
; CURRENT FILING DATE: 2002-11-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE PALENCHIN Version 3.1
; SEQ ID NO 16
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.6%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3; Indels
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
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Matches 17; Conservative
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US-10-211-884-198/c
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Sequence 62, Application US/10345092
Publication No. US20030165506A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: No. US20030165506A1e1 alpha-catenin expressed in heart and testis
FILE REFERENCE: FVR/aTC/V067
CURRENT APPLICATION WUMBER: 21003-01-13
PRIOR APPLICATION NUMBER: 00202472.7
PRIOR APPLICATION NUMBER: 08 60/218,309
PRIOR APPLICATION NUMBER: US 60/218,309
PRIOR FILING DATE: 2000-07-14
NUMBER OF SEQ ID NOS: 134
SOFTWARE: PREDETION OF 2.1
SEQ ID NOS: 134
SEQ ID NOS: 20
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CURRENT APPLICATION NUMBER: US/10/210,951
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OTHER INFORMATION: Description of Artificial Sequence: lower primer;
OTHER INFORMATION: FVR2528
US-10-345-092-62
                                                                                                                                          OTHER INFORMATION: Description of Artificial Sequence: Chemically CHER INFORMATION: Synthesized US-10-119-431-42
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0.6%; Score 15.2; DB 1; Length 20;
Local Similarity 85.0%; Pred. No. 1.4e+03;
hes 17; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                              2104 CCGAGTCTTGCTCTGTTACC 2123
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Publication No. US20030170228A1
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                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
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Pitti, Robert M.
Roy, Margaret Ann
Smith, Victoria
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Godowski, Paul J.
Gurney, Austin L.
Hillan, Kenneth J.
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Watanabe, Colin K.
Wood, William I.
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APPLICANT: Ashkenazi, Avi J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -10-210-951-198/c
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SEQ ID NO 42
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APPLICANT:
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APPLICANT:
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                                                                                                                  FEATURE:
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Matches
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CITY: Nixon and Vanderhye
STREET: 1100 No. US20030181660Atth Glebe Road, Eighth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: US
ZIP: VA 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC Compatible
COMPUTER: IBM FC Compatible
COMPUTER: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION NAMBER: US/10/331, 907
FILING DATE: 31-Dec-2002
PRIOR APPLICATION DATA:
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TITLE OF INVENTION: No. US20030181660Alel LDL-Receptor
NUMBER OF SEQUENCES: 455
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon and Vanderhye
STREET: 1100 No. US20030181660Alth Glebe Road, Eighth Floor
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                         TITLE OF INVENTION: No. US20030181660A1el LDL-Receptor
NUMBER OF SEQUENCES: 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 14-Feb-2001
APPLICATION NUMBER: PCT/GB98/01102
FILING DATE: 15-APR-1998
APPLICATION NUMBER: US 60/043,553
FILING DATE: 15-APR-1997
APPLICATION NUMBER: US 60/048,740
FILING DATE: 05-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/402,923A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 620-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE DESCRIPTION: SEQ ID NO: 78:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-331-907-240/c

Sequence 240, Application US/10331907

Publication No. US20031081660A1

GENERAL INFORMATION:

APPLICANT: Todd, John A

Hess, John A

Gaskey, Charles T

Caskey, Charles T

Cox, Roger D

Gerhold, David

Hammond, Holly

Kawaguchi, Yoshihiko
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2293 AGGATGGTCTCGATCTCCTG 2312
       Metzker, Michael L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AGGCTGGTCTCAAACTCCTG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 78:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 20 base pairs
                                                      NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       roPoLoGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-331-907-78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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APPLICANT: Scone, Donna. M.
APPLICANT: Stone, Donna. M.
APPLICANT: Stone, Donna. M.
APPLICANT: Stone, Donna. M.
APPLICANT: Stone, Jonna. M.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR FILE REFERENCE: P2931RACI
CURRENT APPLICATION NUMBER: US/10/211,884
CURRENT FILING DATE: 1996-04-01
PRIOR APPLICATION NUMBER: 60/05933
PRIOR APPLICATION NUMBER: 60/059121
PRIOR APPLICATION NUMBER: 60/059121
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-07-17
PRIOR APPLICATION NUMBER: 60/063037
PRIOR FILING DATE: 1997-10-10
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-10-24
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR FILING DATE: 1997-11-24
PRIOR PILING DATE: 1997-11-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 258
SEQ ID NO 198
LENGTH: 20
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85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Synthetic Oligonucleotide Probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hey, Patricia
Kawaguchi, Yoshihiko
Merriman, Tony R
Sequence 198, Application US/10211884
Publication No. US20030175900A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 78, Application US/10331907
Publication No. US20030181660A1
GENERAL INFORMATION:
APPLICANT: Todd, John A
Hess, John W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caskey, Charles T
Cox, Roger D
Gerhold, David
Hammond, Holly
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                                                                                                                                                                                                                                                                              Roy, Margaret Ann
Smith, Victoria
                                                                                                    Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
                                                                                                                                                                            Hillan, Kenneth J
                                                                                                                                                                                                    Marsters, Scot A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.67
Best Local Similarity 85.07
Matches 17; Conservative
                                                                          APPLICANT: Ashkenazi, Avi J.
                                                                                                                                                                                                                                                  Pitti, Robert M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-211-884-198
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US-10-331-907-78
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Gaps

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US-10-005-344-341
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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                                                                                                     COMPUTER: IBM PC_compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OFFWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/331,907
FILING BATE: 31-D6c-2002
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.6%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/09/402,923A
FILING DATE: 14-Feb-2001
APPLICATION NUMBER: PCT/GB98/01102
FILING DATE: 15-APR-1998
APPLICATION NUMBER: US 60/043,553
APPLICATION NUMBER: US 60/048,740
APPLICATION NUMBER: US 60/048,740
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Erich Koller
APPLICANT: MingYi Chiang
APPLICANT: Mano Manoharan
TITLE OF INVENTION: Antiense Modulation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDENESS: single
; TOPOLOY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 240:
US-10-331-907-240
                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 620-81
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: ISPH-0622
CURRENT APPLICATION NUMBER: US/10/005,344
CURRENT FILING DATE: 2001-12-04
PRIOR APPLICATION NUMBER: US 09/048,810
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1999-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ 1D NOS: 379
SOGTWARE: FastSEQ for Windows Version 4.0
SEQ 1D NO 341
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 341, Application US/10005344
Publication No. US/0030203862A1
GENERAL INFORMATION:
APPLICANT: Loren J. Miraglia
APPLICANT: Pamela Nero
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2103 ACCGAGTCTTGCTCTGTTAC 2122
                     COUNTRY: US
ZIP: VA 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 ACAGGGTCTTGCTCTGTTGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (703)816-4100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 20 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 85.01
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Mark J. Graham
APPLICANT: Brett P. Monia
APPLICANT: Erich Koller
STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 1530
US-10-005-344-341/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
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Sequence 98, Application US/10446373
Fublication No. US20030204076A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Andrew T. Watt
ITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPY:
ITLE OF INVENTION: EXPRESSION
ITLE OF INVENTION: EXPRESSION
FILE REFERENCE: RTS-0322
CURRENT FILING DATE: 2003-05-28
FRIOR APPLICATION NUMBER: US/10/446,373
CURRENT FILING DATE: 2001-09-13
NUMBER OF SEQ ID NOS: 154
SEQ ID NO 98
LENGTH: 20
LENGTH: 20
CRANISM: Artificial Sequence
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                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                           JOURNEAUL INFORMATION:
JAPPLICANT: Pamela Nero
JAPPLICANT: Pamela Nero
JAPPLICANT: Pamela Nero
JAPPLICANT: Brett P. Monia
JAPPLICANT: Brett P. Monia
JAPPLICANT: Brett P. Monia
JAPPLICANT: Brett P. Monia
JAPPLICANT: MingYi Chiang
JAPPLICANT: Mano Manoharan
JTITLE OF INVENTION: Antisense Modulation of mdm2 expression.
JTITLE OF INVENTION: Antisense Modulation of mdm2 expression.
JTITLE OF INVENTION: ANTISENSE: US/10/005,344
CURRENT PILING DATE: 12091-12-04
PRIOR APPLICATION NUMBER: US 09/048,810
PRIOR RILING DATE: 1999-03-26
PRIOR FILING DATE: 1999-03-26
PRIOR FILING DATE: 1999-03-26
JENGTH: 20
JENGTH: 20
JENGTH: 20
JENGTH: 20
  Length 20;
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                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
0.6%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+03;
iive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match

0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.46+03;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Antisense Oligonucleotide US-10-005-344-351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-446-373-98
                                                                                                                                                                                                                                                                                          Sequence 351, Application US/10005344
Publication No. US20030203862A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1638 GGTCGACCTAAAAATGGTTG 1657
                                                                                                         978 GATCTTGATGCTGGTGTAAG 997
                                                                                                                                                          20 GATCTTGACGATGGCGTAAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 GGCGGCCTAAAATGGCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
Query Match
Best Local Similarity 85.0°
Matches 17; Conservative
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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF TUMOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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SEQ ID NO 198
LENGTH: 20
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0.6%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Synthetic Oligonucleotide Probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: P2931RIC1
CURRENT APPLICATION NUMBER: U5/10/211,858
CURRENT FILING DATE: 2002-08-02
PRIOR APPLICATION NUMBER: 60/014699
PRIOR FILING DATE: 1996-04-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/026943
PRIOR PILING DATE: 1996-09-23
PRIOR PELING DATE: 1996-09-23
PRIOR PELING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059121
PRIOR PILING DATE: 1997-09-19
PRIOR PELING DATE: 1997-10-10
PRIOR PILING DATE: 1997-10-10
PRIOR APPLICATION NUMBER: 60/06375
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PELING DATE: 1997-10-24
PRIOR PLING DATE: 1997-10-27
PRIOR PELING DATE: 1997-10-27
                                                                                                                                                                                                                                                          Sequence 198, Application US/10211858
Publication No: US20030211096A1
GENERAL INFORMATION:
                                                                                            2234 CACCACACCTGGCTAATTTT 2253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066772
PRIOR FILING DATE: 1997-11-24
                                                                                                                                            1 CACCATGCCCGGCTAATTTT 20
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                         Goddard, Audrey
Godowski, Paul J.
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Roy, Margaret Ann
Smith, Victoria
Stone, Donna M.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Hillan, Kenneth J
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Marsters, Scot A.
                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ashkenazi, Avi J.
                    Best Local Similarity 85.0 Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pitti, Robert M.
                                                                                                                                                                                                                                           US-10-211-858-198/c
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US-10-181-875-71/c
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Query Match
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; Sequence 71, Application US/10181875

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APPLICANT: Brett P. Monia
APPLICANT: Robert McKay
APPLICANT: Robert McKay
APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF GLYCOGEN SYNTHASE KINASE 3 ALPHA EXPRESS
FILE REPERENCE: RYSP-0356
CURRENT APPLICATION NUMBER: US/10/181,875
CURRENT APPLICATION NUMBER: US/10/181,875
CURRENT APPLICATION NUMBER: 09/488,856
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 71
HENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-10-181-875-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: IRIE, RYOTAKO
APPLICANT: TAMEGHIKA, ICHIRO
APPLICANT: TAMEGHIKA, ICHIRO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCES: 084335/0160
CURRENT APPLICATION NUMBER: US/10/094,749
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PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3312
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 3312, Application US/10094749; Publication No. US20030219741A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/350,435
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APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: SATO, HIROYUKI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZIKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUUKO
APPLICANT: HIO, YUKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 85.0 Matches 17; Conservative
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NAGAI, KEIICHI
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US-10-094-749-3312
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US-10-282-174-234
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US-10-160-807-22
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APPLICANT: Bertran, Lare
APPLICANT: Bertran, Lare
APPLICANT: Bertran, Lare
APPLICANT: Banders, Aleister J.
APPLICANT: Banders, Aleister J.
APPLICANT: Millin, Kristina M.
APPLICANT: Bangeon, Andrew Johnson
APPLICANT: Blacker, Deborah Lynne
APPLICANT: Blacker, Deborah Lynne
TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME;
TITLE OF INVENTION: NEURODEGENERATIVE DISEASES
CURRENT APPLICATION NUMBER: US 60/339,525
PRIOR PELING DATE: 2001-11-08
PRIOR PELING DATE: 2001-11-08
PRIOR PELING DATE: 2001-11-08
PRIOR PELING DATE: 2001-11-09
PRIOR FILING DATE: 2001-11-09
PRIOR FILING DATE: 2001-11-09
PRIOR FILING DATE: 2001-11-09
PRIOR FILING DATE: 2001-12-04
PRIOR PELING DATE: 2001-12-04
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 564
SOFTWARE FREESEQ FOR WINDOWS VERBION 4.0
  0.6%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.4e+03; tive 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                    US-10-282-174-215
; Sequence 215, Application US/10282174
; Publication No. US20030224380A1
                                                                                                          2096 TITIGAGACCGAGICTIGCT 2115
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Publication No. US20030224380A1
GENERAL INFORMATION:
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APPLICANT: Becker, Kenneth David
APPLICANT: Velicelebi, Gonul
APPLICANT: Elliot, Kathryn J.
APPLICANT: Wang, Xin
APPLICANT: Tanzi, Rudolph E.
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APPLICANT: Velicelebi, Gomul
APPLICANT: Billiot, Kathryn J.
APPLICANT: Wang, Xin
APPLICANT: Tanzi, Rudolph E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bertram, Lars
Saunders, Aleister J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                     17, Conservative
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Query Match
Best Local Similarity
Matches 17; Conserv
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APPLICANT: SURPECUI, AULLER COLLINGORIANT: SHAPELICANT: Blacker, Deborah Lymne; TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10 ITILE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10 ITILE OF INVENTION: HEURODEGENERATIVE DISEASES FILE REFERENCE: 37481-3308
ITILE OF INVENTION: NUMBER: US/10/282,174
CURRENT PAPLICATION NUMBER: US 60/339,525
PRIOR APPLICATION NUMBER: US 60/339,525
PRIOR APPLICATION NUMBER: US 60/339,010
PRIOR PAPLICATION NUMBER: US 60/338,363
PRIOR FILING DATE: 2001-11-08
PRIOR PILING DATE: 2001-11-09
PRIOR PELING DATE: 2001-12-04
PRIOR PELING DATE: 2001-12-08
PRIOR PELING DATE: 2001-12-04
PRIOR PELING DATE: 2001-12-08
PRIOR 
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Publication No. US20030224514A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Watt
TILLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RTS-0189
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.6%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.4e+03;
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CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 22
LENGTH: 20
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US-10-160-807-175/c
; Sequence 175, Application US/10160807
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Best Local Similarity 85.03
Matches 17; Conservative
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McNeil, John
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LENGTH: 20
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APPLICANT:
APPLICANT:
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APPLICANT:
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GENERAL INVOCATION:
GENERAL INVOCATION:
APPLICANT: COWERT, BENER,
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, Brenda F.
APPLICANT: Brooks,
Brooks, Douglas G.
APPLICANT: Sasmor, Henri M.
APPLICANT: Brooks, Douglas G.
APPLICANT: Watt, Jacqueline R.
APPLICANT: Wyatt, Jacqueline R.
APPLICANT: Workwitton: Doubly A.
TITLE OF INVENTION: DENTIFICATION OF GENETIC TARGETS FOR
TITLE OF INVENTION: GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
TITLE OF INVENTION: GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
FILE REPERRINCE: ISIS-4503
CURRENT FILING DATE: 2003-033-12
NUMBER OF SEQ ID NOS: 947
SEQ ID NOS: 947
SEQ ID NOS: 947
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                                                          APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REPERENCE: RTS-01189
CURRENT APPLICATION NUMBER: US/10/160,807
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 175
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                    3; Indels
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Pred. No. 1.4e+03;
0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 680, Application US/10388263
Publication No. US20030228597A1
GENERAL INFORMATION:
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US-10-388-263-681
; Sequence 681, Application US/10388263
; Publication No. US20030228597A1
; GENERAL INFORMATION:
; APPLICANT: COWBERT, LEX M.
; APPLICANT: Baker, Brenda F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            2341 CAAAGTGCTGGGATTACAGG 2360
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Best Local Similarity 85.0%;
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ORGANISM: Artificial Sequence
Publication No. US20030224514A1
                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 17; Conservative
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Matches 17; Conservative
                    GENERAL INFORMATION:
APPLICANT: William Gaarde
                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                              US-10-160-807-175
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US-10-388-263-680
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APPLICANT: Wyatt, Jacqueline R.
APPLICANT: Borchers, Alexander
APPLICANT: Dickers, Timothy A.
TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
TITLE OF INVENTION: GENERATION BY OLIGONUCLECTIDES FOR GENE MODULATION
FILE REPERERENCE: ISIS-4503
CURRENT APPLICATION NUMBER: US/10/389,263
CURRENT FILING DATE: 2003-031-2
NUMBER OF SEQ ID NOS: 947
SEQ ID NO 697
LENGTH: 20
                                                                                         APPLICANT: Watt, Jacqueline R.
APPLICANT: Watt, Jacqueline R.
APPLICANT: Borchers, Alexander
APPLICANT: Borchers, Timothy A.
TITLE OF INVENTION: DEBYTIFICATION OF GENETIC TARGETS FOR
TITLE OF INVENTION: MODULATION BY OLIGONUCLEOTIDES AND
TITLE OF INVENTION: GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
FILE REFERENCE: ISIS-4503
CURRENT APPLICATION NUMBER: US/10/388,263
NUMBER OF SEQ ID NOS: 947
SOFTWARE: FastSEQ for Windows Version 4.0
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 697, Application US/10388263; Publication No. US20030228597A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2146 TCTTGGCTCACTGCAAGCTC 2165
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Freier, Susan M.
Sasmor, Henri M.
Brooks, Douglas G.
Ohashi, Cara
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Freier, Susan M.
Sasmor, Henri M.
Brooks, Douglas G.
Ohashi, Cara
                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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Publication No. US20040014051A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Victie L. Brown-briver
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/199,676
CURRENT FILING DATE: 2002-07-18
SEQ ID NOS: 84
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Sequence 79, Application US/10199676

Sequence 79, Application US/10199676

PUDLICAND NO. US20040014051A1

GENERAL INFORMATION:

APPLICANT: Vickie L. Brown-Driver

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION

TITLE OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION

CURRENT APPLICATION NUMBER: US/10/199,676

CURRENT PILING DATE: 2002-07-18

NUMBER OF SEQ ID NOS: 84

LENGTH: 20
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; Publication No. US20040023904A1
; GABREAL INFORMATION:
; APPLICANT: Lex M. Cowsert
; APPLICANT: Lex M. Cowsert
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PTPRA EXPRESSION
; FILE REFERENCE: PTS-0015
; CURRENT FILING DATE: 2002-07-31
; SEQ ID NO 77
; LENGTH: 20
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0.6%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
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85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Antisense Oligonucleotide US-10-199-676-54
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                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
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Matches 17; Conservative
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ORGANISM: H. sapiens
FEATURE:
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Sequence 40, Application US/1017798
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Reneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF ORPHAN G-PROTEIN COUPLED RECEPTOR GPRCSB
TITLE OF INVENTION: BYPRESSION
TITLE OF INVENTION NUMBER: US/10/177,798
CURRENT APPLICATION NUMBER: US/10/177,798
NUMBER OF SEQ ID NOS: 70
SEQ ID NOS: 70
SEQ ID NOS: 70
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                                                                                                                                                                                                                                                                                         APPLICANT: Underly, Cacqueline R.
APPLICANT: Wyatt, Jacqueline R.
APPLICANT: Wyatt, Jacqueline R.
APPLICANT: Uckers, Timothy A.
TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
TITLE OF INVENTION: MODULATION BY OLICONUCLEOTIDES FOR GENE MODULATION
FILE REFERENCE: ISIS-4503
CURRENT APPLICATION NUMBER: US/10/388, 263
CURRENT FILING DATE: 2003-03-12
NUMBER OF SEQ ID NOS: 947
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 714
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide US-10-388-263-714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-10-177-798-40
                                                  Sequence 714, Application US/10388263
Publication No. US20030228597A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2285 TGTTAGCCAGGATGGTCTCG 2304
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US-10-199-676-54/c
; Sequence 54, Application US/10199676
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                   Brooks, Douglas G.
Ohashi, Cara
                                                                                                                         APPLICANT: Cowsert, Lex M. APPLICANT: Baker, Brenda F.
                                                                                                                                                                       APPLICANT: McNeil, John
APPLICANT: Freier, Susan M.
APPLICANT: Sasmor, Henri M.
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US-10-177-798-40/c
                                 US-10-388-263-714
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Publication No. US20040048258A1
Publication No. US20040048258A1
EMERRAL INFORMATION:
APPLICANT: SOMIARI, STELLA BASSEX
APPLICANT: JORDAN, RICK
TITLE OF INVENTION: MULTIPLE-GENE DIAGNOSTIC PROBES AND ASSAY KITS AND TITLE OF INVENTION: METHOD FOR THE ASSESSMENT OF MULTIPLE MARKERS FOR TITLE OF INVENTION: METHOD FOR THE ASSESSMENT OF MULTIPLE MARKERS FOR FILE REPERENCE: 13168.0006
CURRENT APPLICATION NUMBER: US/10/237,614
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Publication No. US20040023904A1
GENERAL INFORMATION:
APPLICANT: Lex M. Cowsert
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PTPRA EXPRESSION
FILE REFERENCE: PTS-0015
CURRENT APPLICATION NUMBER: US/10/210,556
CURRENT APPLICATION NUMBER: 202-07-31
NUMBER OF SEQ ID NOS: 227
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-10-237-614-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.6%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3; Indels
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                                                                                 3; Indels
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                                       0.6%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+03;
ative 0; Mismatches 3;
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Pred. No. 1.4e+03;
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                                                                                                                      2292 CAGGATGGTCTCGATCTCCT 2311
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NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.1
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                                       Query Match 0.6
Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.6
Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: H. sapiens
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Best Local Similarity
Matches 17; Conserv
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US-10-237-614-17/c
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US-10-210-556-77
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                                                                                                   APPLICANT: ROLABERT I.
APPLICANT: RAKE, DAILOR A.
APPLICANT: REIS, MITERAAYER GALVAO
APPLICANT: RAIS, MITERAAYER GALVAO
APPLICANT: RAISON, JULIO HENRIQUE ROSA
APPLICANT: SIGUEIRA, ISADORA CRISTINA
APPLICANT: SIGUEIRA, ISADORA CRISTINA
APPLICANT: SIGUEIRA, ISADORA CRISTINA
APPLICANT: YOUNG, TRACY ANN
ITLE OF INVENTION: DOWAINS WITH REPETITIVE BACTERIAL-IG-LIKE (BIG)
ITLE OF INVENTION: DOWAINS PRESENT IN LEPTOSPIRA SPECIES
CURRENT APPLICATION NUMBER: US/10/147,299A
CURRENT APPLICATION TOWER: 2002-05-17
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PATENTIN VET. 2.1
SEQ ID NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gapa
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; Sequence 22, Application US/10655847
; Publication No. US20040063129A1
; GENERAL INFORMATION:
; APPLICANT: William Gaarde
; APPLICANT: William Garde
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION ANTIENSE MODULATION OF PPAR-DELTA EXPRESSION
; TITLE OF INVENTION: ANTIENSE WOULLATION OF PPAR-DELTA EXPRESSION
; CURRENT APPLICATION NUMBER: US/10/655,847
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: US/10/160,807
; RIUMBER OF SEQ ID NOS: 296
; SEQ ID NO 22
LENGTH: 20
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.2; DB 1;
Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-655-847-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.6%; Score 15.2; D
Best Local Similarity 85.0%; Pred. No. 1.4e
Matches 17; Conservative 0; Mismatches
Publication US/10147299A Publication US/10147299A GENERAL INFORMATION:
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RESULT 1552

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Sequence 150, Application US/10728509
Publication No. US20040077583A1
GENERAL INFORMATION:
APPLICANT: HONG Zhang
APPLICANT: HONG Zhang
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF BCL2-ASSOCIATED X PROTEIN EXPRESSION
FILE REPERENCE: RTS-0185
CURRENT APPLICATION NUMBER: US/10/728,509
CURRENT FILING DATE: 2003-12-05
PRIOR FILING DATE: 2001-07-17
NUMBER OF SEQ ID NOS: 168
SEQ ID NO 150
LENGTH: 20
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Publication No. US20040101857A1
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Remeth W. Dobie
TITLE OF INVENTION: WODULATION OF CYTOKINE-INDUCIBLE KINASE EXPRESSION
FILE REPRENCE: RTS-0397
CURRENT APPLICANT: APOS 2002-11-23
NUMBER OF SEQ ID NOS: 138
SEQ ID NO 138
SEQ ID NO 138
TYPE: DNA
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Sequence 92. Application US/10304116
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Doma T. Ward
TITLE OF INVENTION: MODULATION OF CYTOKINE-INDUCIBLE KINASE EXPRESSION
FILE REPREBRUES: RTS-0397
CURRENT APPLICATION UNBER: US/10/304,116
CURRENT FILING DATE: 2002-11-23
SEQ ID NOS: 138
LINGER OF SEQ ID NOS: 138
LINGER OF SEQ ID NOS: 138
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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US-10-663-366-42/C

Sequence 42, Application US/10683386

Publication No. US20040063137A1

GENERAL INFORMATION:
APPLICANT: KURANE, RYUICHIRO
APPLICANT: KANAGAMA, YOICHIRO
APPLICANT: KANAGAMA, YOICHIRO
APPLICANT: YOKOMAKU, TOYOKAZU
APPLICANT: WOYOMAKU, TOYOKAZU
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APPLICANT: WOYOMAKU, TOYOKAZU
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                                                                                                                 APPLICANT: WILLIAM Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RTS-0189
CURRENT APPLICATION NUMBER: US/10/655,847
CURRENT FILING DATE: 2003-09-05
PRIOR FILING DATE: 2003-09-05
PRIOR FILING DATE: 2003-09-05
SEQ ID NOS: 296
SEQ ID NO 175
LENGTH: 20
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                              Sequence 175, Application US/10655847
Publication No. US20040063129A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2341 CAAAGTGCTGGGATTACAGG 2360
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
US-10-655-847-175/c
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US-10-728-509-150
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Publication No. US20040102412A1
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                                                                                  Query Match 0.6%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.4e+03; Matches 17; Conservative 0; Mismatches 3; Indels
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0.6%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3; Indels
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Publication No. US20040102395A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF IAP-LIKE EXPRESSION
FILE REFERENCE: RTS-0434
CURRENT APPLICATION NUMBER: US/10/303,325
CURRENT FILING DATE: 2002-11-22
NUMBER OF SEQ ID NOS: 156
                                                                                                                                                                                                                                                                                                                     Sequence 84, Application US/10303325
Publication No. US20040102395A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF IAP-LIKE EXPRESSION
FILE REFERENCE: RTS-0434
CURRENT APPLICATION UMBER: US/10/303,325
CURRENT FILING DATE: 2002-11-22
NUMBER OF SEQ ID NOS: 156
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-303-325-84
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US-10-688-706-682/c
; Sequence 682, Application US/10688706
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0
Matches 17; Conservative
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ORGANISM: H. sapiens
ORGANISM: H. sapiens
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                                        US-10-304-116-138
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LENGTH: 20
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GENERAL INFORMATION:

APPLICANT: PARAMACIA
APPLICANT: PARAMACIA
TILLE OF INVENTION: ANTISENSE MODULATION OF GFAT EXPRESSION
FILE REFRENCE: 01393/1
CURRENT APPLICATION NUMBER: US/10/688,706
CURRENT APPLICATION NUMBER: 60/419,268
FRIOR FILING DATE: 2002-10-17
NUMBER OF SEQ ID NOS: 3071
SOFTWARE: PALCHIN Version 3.2
SEQ ID NO 682
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3; Indels
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Sequence 126, Application US/10318819A

Publication No. Application US/2040115645A1

GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DRAK2 EXPRESSION
FILE REFERENCE: PTS-006.9

CURRENT APPLICATION NUMBER: US/10/318,819A

CURRENT FILING DATE: 2002-12-12

NUMBER OF SEQ ID NOS: 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 74, Application US/10318819A
Publication No. US20040115645A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF DRAKZ EXPRESSION
FILE REFERENCE: PTS-0069
CURRENT APPLICATION UNDBER: US/10/318,819A
CURRENT APPLICATION OF SEQ ID NOS: 133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.6%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 1.4e+03; Matches 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: human GFAT antisense
US-10-688-706-682
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                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: artificial
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LENGTH: 20
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LENGTH: 20
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US-10-671-395-863/C

US-10-671-395-863/C

US-10-671-395-863/C

Sequence 863, Application US/10671395

Sequence 863, Application US/10671395

Publication No. US2004013206341

GENERAL INFORMATION:
TAPLICANT: Pharmacia Corp.
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 CURRENT PILING DATE: 2003-09-25

PRIOR FILING DATE: 2003-09-25

PRIOR FILING DATE: 2002-09-25

PRIOR FILING DATE: 2002-09-25

NUMBER OF SEQ ID NOS: 1809

SOFTWARE: Patentin version 3.2

SEQ ID NO 863

LENGTH: 20

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APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTIERNSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/08
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT PILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
EAC ID NO 696
LENGTH: 20
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0.6%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3; Indels
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85.0%; Pred. No. 1.4e+03;
trive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-696
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                                                                                                                                                                             Sequence 696, Application US/10671395
Publication No. US20040132063A1
GENERAL INFORMATION:
                              2149 IGGCICACIGCAAGCICIGC 2168
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Best Local Similarity 85.03
Matches 17; Conservative
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| Sequence 656, Application US/10671395 |
| Sequence 656, Application US/10671395 |
| Sequence 656, Application US.020040132063A1 |
| Sequence 656, Application No. US20040132063A1 |
| GENERAL INFORMATION: AUGUSTA |
| APPLICANT: Pharmacia Corp. |
| APPLICANT: Platmacia Corp. |
| TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE |
| TITLE OF INVENTION: EXPRESSION |
| FILE REFRENCE: 1179/1/US |
| FILE OF INVENT PALLICATION NUMBER: US/10/671,395 |
| PRIOR PILLING DATE: 2003-09-25 |
| NUMBER OF SEQ ID NOS: 1809 |
| SOFTWARE: Patentin version 3.2 |
| LENGTH: 20 |
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                                                                                       Score 15.2; DB 1; Length 20; Pred. No. 1.4e+03; 0; Mismatches 3; Indels
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Pred. No. 1.4e+03;
0; Mismatches 3; Indels
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; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-668
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Best Local Similarity 85.0%;
Matches 17; Conservative (
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Best Local Similarity 85.0
Matches 17; Conservative
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ORGANISM: H. sapiens
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Matches 17; Conserv
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                     ; FEATURE:
US-10-318-819A-126
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Sequence 1224, Application US/10671395
; Sequence 1224, Application US/10671395
; Publication No. US20040132063A1
; Publication No. US20040132063A1
; GBNERAL INFORMATION:
; APPLICANT: Glerse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN EZ SYNTHASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; CURRENT PILING DATE: 2003-09-25
; FRIOR APPLICATION NUMBER: 60/413,549
; FRIOR FILING DATE: 2002-09-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WS-10-671-395-1261/c

| Sequence 1261, Application US/10671395
| Publication No. US20040132063A1
| GENERAL INFORMATION:
| APPLICANT: Pharmacia Corp.
| APPLICANT: Gierse, James K
| TITLE OF INVENTION: EXPRESSION
| TITLE OF INVENTION: EXPRESSION
| TITLE OF INVENTION: EXPRESSION
| CURRENT APPLICATION NUMBER: US/10/671,395
| CURRENT FILING DATE: 2003-09-25
| PRIOR PAPLICATION NUMBER: 60/413,549
| PRIOR FILING DATE: 2002-09-25
| NUMBER OF SEQ ID NOS: 1809
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85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3; Indels
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
                           FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
FRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: PetentIn version 3.2
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1060
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             EXPRESSION
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SOFTWARE: Patentin version 3.2
SEQ ID NO 1224
LENGTH: 20
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Matches 17; Conservative
                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: artificial
             TITLE OF INVENTION:
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APPLICANT: Gierse, James K
TITLE OF INVENTION: EXPRESSION
FILE OF INVENTION: DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
                                               PUBLICATION NO. US20040132063A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: ANTISENSE WODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: ANTISENSE WODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TILE REFERENCE: 1199/1/US
CURRENT APPLICANTON NUMBER: US/10/671,395
PRIOR FILING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
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Publication No. US20040132063A1
GENERAL INFORMATION:
GENERAL THORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred, No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
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US-10-671-395-949/c Sequence 949, Application US/10671395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 987, Application US/10671395; Publication No. US20040132063A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2120 TACCCAGGCTGGAGTGCAGT 2139
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Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: artificial
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US-10-671-395-987/c
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LENGTH: 20
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CURRENT APPLICATION NUMBER: US/10671395

FURLAGE TILING AND THE SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE

TITLE OF INVENTION: ANTISENSE

WHATHER OF STATEMENT APPLICATION NUMBER: 00/413,549

PRIOR PAPIL CATION NUMBER: 00/413,549

NUMBER OF SEQ ID NOS: 1809

SOFTWARE PATEMENT APPLICATION WESION 3.2

SEQ ID NO 1453

LENGTH: 20
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Publication No. U52040132063A1

GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: EXPRESSION
FILE OF INVENTION: EXPRESSION
FILE OF INVENTION: EAPRESSION
FILE REFERENCE: 11791/US
CURRENT APPLICATION NUMBER: US/10/671,395
FRIOR RILING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
SEQ ID NO 1517
FENTILE PATENTION: EAPPLICATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
SEQ ID NO 1517
FILE NOTH: 20
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                                                             Score 15.2; DB 1; Length 20;
Pred. No. 1.4e+03;
0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Human PGE2 antisense
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                                                                Query Match 0.6%;
Best Local Similarity 85.0%;
Matches 17; Conservative 0
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ORGANISM: artificial
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            US-10-671-395-1448
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| Publication No. US20040132063A1
| GENERAL INFORMATION:
| APPLICANT: Pharmacia Corp.
| APPLICANT: Gierse, James K
| TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
| TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
| TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
| TITLE OF INVENTION: ANTISENSE US/10/671,395
| CURRENT APPLICATION NUMBER: US/10/671,395
| PRIOR FILING DATE: 2002-09-25
| NUMBER OF SEQ ID NOS: 1809
| SOFTWARE: PATEURIN VENESION 3.2
| SEQ ID NO 1269
| LENGTH: 20
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APPLICANT: Pharmacia Corp.
APPLICANT: Giere, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REPERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT APPLICATION NUMBER: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
PRIOR FILING DATE: 2002-09-25
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                                                                                                                                                                                                                                                                      Query Match 0.6%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.4e+03; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                               ; OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1269
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; Sequence 1448, Application US/10671395
; Publication No. US20040132063A1
; GENERAL INFORMATION:
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SOFTWARE: Patentin version 3.2
SEQ ID NO 1261
LENGTH: 20
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SOFTWARE: Patentin version 3.2
SEQ ID NO 1448
LENGTH: 20
                                                                                      TYPE: DNA ORGANISM: artificial
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ORGANISM: artificial
FEATURE:
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APPLICANT: Giere, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE OF INVENTION: EXPRESSION
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT APPLICATION NUMBER: 60/413,549
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR PILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SSOFWARE: Patentin version 3.2
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1680, Application US/10671395
Publication No. US20040132063A1
General Information
APPLICANT: Blarmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE OF INVENTION: EXPRESSION
FILE OF INVENTION: EXPRESSION
FILE REPERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
FORRENT APPLICATION NUMBER: 60/413,549
FRIOR APPLICATION NUMBER: 60/413,549
FRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
SEQ ID NO 1680
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PUBLICATION NO. US20040132063A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Giere, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE;
TITLE OF INVENTION:
FILE REFERENCE: 1179/1/US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Human PGE2 antisense
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       Publication No. US20040132063A1
                                                       APPLICANT: Pharmacia Corp
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ORGANISM: artificial
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APPLICANT: Pharmacia Corp.

APPLICANT: Giere, James K
TITLE OF INVENTION: ANTIESENSE MODULATION OF MICROSOWAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT PAPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 20
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Publication No. US20040132063A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTIESNSE MODULATION OF MICROSOWAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR PILLING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
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Pred. No. 1.4e+03;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.6%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.4e+03; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1562
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                                                                                                                                             Sequence 1562, Application US/10671395
Publication No. US20040132063A1
GENERAL INFORMATION:
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20 TGATCCACCGGCCTCGGCCT
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Best Local Similarity 85.0%;
Matches 17; Conservative 0
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Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: artificial
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US-10-671-395-1562/c
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LENGTH: 20
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Sequence 1742, Application US/10671395

| Sequence 1742, Application US/10671395
| Publication No. US20040132063A1
| GENERAL INFORMATION:
| APPLICANT: Pharmacia Corp.
| APPLICANT: Gieree, James K
| TITLE OF INVENTION: EXPRESSION
| FILE OF INVENTION: EXPR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Squence 1745, Application US/10671395

Fublication No. US20040132063A1

GENERAL INFORMATION:
APPLICANT: Pharmacal Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION UNMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR APPLICATION UNMBER: 60/413,549
PRIOR APPLICATION UNMBER: 60/413,549
SOFTWARE: Patentin version 3.2
SSOFTWARE: Patentin version 3.2
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                      Query Match 0.6%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.4e+03; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 15.2; DB 1; Length 20;
Pred. No. 1.4e+03;
0; Mismatches 3; Indels
                                                                                                                                                      ), OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1742
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                                                                                                                                                                                                                                                                                                                                                                                                                 2286 GTTAGCCAGGATGGTCTCGA 2305
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Best Local Similarity 85.0%;
Matches 17; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: artificial
FEATURE:
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                                                TYPE: DNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-671-395-1742/c
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                                                                                                                           FEATURE:
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| Sequence 1723, Application US/10671395 |
| Sequence 1723, Application US/2063A1 |
| Sequence 1723, Application No. US20040132063A1 |
| GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: Pharmacia Corp. |
| APPLICANT: Pharmacia Corp. |
| TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOWAL PROSTAGLANDIN E2 SYNTHASE |
| TITLE OF INVENTION: EXPRESSION |
| FILE OF INVENTION UNDER: US/10/671,395 |
| CURRENT APPLICATION UNDER: 60/413,549 |
| PRIOR FILING DATE: 2002-09-25 |
| NUMBER OF SEQ ID NOS: 1809 |
| SEQ ID NO 1723 |
| LENGTH: 20
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Sequence 1735, Application US/10671395
Publication No. US20040132063A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
FILE REFERENCE: 1179/1/US
CURRENT PRILING DATE: 2003-09-25
PRIOR PILING DATE: 2002-09-25
PRIOR FILING DATE: 2002-09-25
PRIOR FILING DATE: 2002-09-25
SOFTWARE: PAGENTION NUMBER: 60413,549
PRIOR FILING DATE: 2002-09-25
SOFTWARE: PAGENTION VERSION 3.2
SEQ ID NO 1736
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0.6%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+03;
Matches 17; Conservative 0; Mismatches 3;
CURRENT APPLICATION NUMBER: US/10/671,395
                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1713
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                                 CURRENT FILING DATE: 2003-09-25
FRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: PATENTIN VETSION 3.2
SEQ ID NO 1713
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                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: artificial
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US-10-671-395-1736/c
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Sequence 45, Application US/10776013
Sequence 45, Application US/10776013
Sequence 45, Application US/10776013
Sequence 45, Application World US20040226056A1
SEREMAL INFORMATION:
APPLICANT: RATAD GENETICS, INC.
APPLICANT: Bartel Paul
APPLICANT: Bartel Daul
APPLICANT: Heichman, Karen
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
TITLE OF INVENTION: CORPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
TITLE OF INVENTION: CORPOSITIONS AND METHODS FOR TREATING DATE: 1600.24
CURRENT FILING DATE: 2004.02-09
FRIOR APPLICATION NUMBER: 09/946039
FRIOR PILING DATE: 1999-12-21
FRIOR APPLICATION NUMBER: 60/13534
FRIOR PILING DATE: 1999-10-12
FRIOR PILING DATE: 1999-00-12
FRIOR PILING DATE: 1999-00-12
FRIOR PILING DATE: 1999-00-12
FRIOR PILING DATE: 2001-10-12
FRIOR PILING DATE: 2001-10-12
FRIOR PILING DATE: 2001-10-12
FRIOR PILING DATE: 2001-10-12
FRIOR PILING DATE: 2001-10-17
                                                     Sequence 89, Application US/10819244
Publication No. US2004017157SA1
GENERAL INFORMATION
ADDICANT: C. Frank Bennett
APPLICANT: C. Frank Bennett
APPLICANT: C. Natt
TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION
FILE REFERENCE: RTS-0235
CURRENT APPLICATION NUMBER: US/10/819,244
CURRENT PILING DATE: 2004-04-06
PRIOR FILING DATE: 2001-04-26
NUMBER OF SEQ ID NOS: 89
LENGTH: 20
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Pred. No. 1.4e+03;
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85.0%; Pred. No. 1...
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                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 17; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
                                    JS-10-819-244-89
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Publication No. US20040171575A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: C. Frank Bennett
APPLICANT: C. Frank Bennett
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION FILE REFERENCE: RTS-0235
CURRENT APPLICATION NUMBER: US/10/819,244
CURRENT FILING DATE: 2004-04-06
PRIOR FILING DATE: 2001-04-26
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 87
LENGTH: 20
                                                                                                                                                                                                                                                                                       Sequence 1751, Application US/10671395
Publication No. US20040132063A1
GENERAL INFORMATION:
APPLICAMY: Pharmacia Corp.
APPLICAMY: Gierse, James K
TITLE OF INVENTION: ANTIENSE MODULATION OF MICROSOWAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR PILING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
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0.6%; Score 15.2; DB 1; Length 20; larity 85.0%; Pred. No. 1.4e+03; Conservative 0; Mismatches 3; Indels
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85.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 3;
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; OTHER INFORMATION: Human PGE2 antisense
US-10-671-395-1751
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0°
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: artificial
Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                         US-10-671-395-1751/c
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LENGTH: 20
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Best Local
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APPLICANT: Denton, R. Rex
APPLICANT: Duda, Anny
APPLICANT: Duda, Anny
APPLICANT: Stephens, J. Claiborne
APPLICANT: Stephens, J. Claiborne
APPLICANT: Windemuth, Andreas
TITLE OF INVENTION: Target Isogenes: Polymorphisms in the Interleukin
TITLE OF INVENTION: A Receptor Alpha Gene
FILE REFERENCE: MWH-0002US2 IL4R alpha
CURRENT APPLICATION NUMBER: US/10/010,802
PRIOR PAPLICANION NUMBER: PCT/US00/19094
PRIOR PLING DATE: 2001-11-09
PRIOR PLING DATE: 2000-07-13
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Publication No. US20030190618A1

GENERAL INFORMATION:

APPLICANT: SAMAL BARRU

APPLICANT: HERMIDA, LEANDRO C.

APPLICANT: HOPPA, NANCY L.

APPLICANT: HOPPA, NANCY L.

APPLICANT: HORE, KARL K.

TITLE OF INVENTION: METHOD FOR GENERATING FIVE PRIME BIASED TANDEM TAG

TITLE OF INVENTION: LIBRARIES OF CDNAS

FILE REPRENCE: 0100915/026

CURRENT APPLICATION NUMBER: US/10/092,885

CURRENT PILING DATE: 2002-03-06

NUMBER OF SEQ ID NOS: 60

SOFTWARE: PALENTIN Ver. 2.1

SEQ ID NO 46

LENGTH: 16
      Gapa
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      3; Indels
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100.0%; Pred. No. 1.5e+03;
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    0; Mismatches
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                                                                                                                                                                                       Sequence 81, Application US/10010802
Publication No. US20030078220A1
GENERAL INFORMATION:
APPLICANT: Genalssance Pharmaceuticals
                                          1460 ACAAGCTTCACAATCACAAG 1479
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100.0%; Pre-
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 81
LENGTH: 15
Matches 17; Conservative
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US-10-010-802-81
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; ORGANISM: Homo sapiens
US-10-092-885-46
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Best Local Similarity
Matches 15; Conserve
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WS-10-156-306-1660

Sequence 1660, Application US/10156306

Publication No. US20030119017A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwayagen, James

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate;

TITLE OF INVENTION: Levels of IKK-Gamma and PKR

FILE REPRESENCE: MBHB01-664-A (400/050)

CURRENT APPLICATION NUMBER: US/10/156,306

CURRENT PILING DATE: 2002-05-28

NUMBER OF SEQ ID NOS: 8013

SEQ ID NO 1660

LENGTH: 17
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Sequence 1670, Application US/10156306

Publication No. US20030119017A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate

TITLE OF INVENTION: Levels of IKK-Gamma and PKR

FILE REFERENCE: MBHB01-664-A (400/050)
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                                                                     APPLICANT: SAMAL, BABRU
APPLICANT: SAMAL, LEANDRO C.
APPLICANT: LI, YUAN
APPLICANT: LI, YUAN
APPLICANT: HORPA, HEANDRO C.
APPLICANT: HORPA, NANCY L.
APPLICANT: JOHE, KARL K.
TITLE OF INVENTION: METHOD FOR GENERATING FIVE PRIME BIASED TANDEM TAG
TITLE OF INVENTION: LIBRARIES OF CDNAS
FILE REFERENCE: 0109015/026
CURRENT APPLICATION NUMBER: US/10/092,885
CURRENT FILING DATE: 2002-03-06
NUMBER OF SEQ ID NOS: 60
SOFTWARE: Patentin Ver. 2.1
SEQ ID NOS: 60
SOFTWARE: LENGTH: 16
TYPE: DNA
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Pred. No. 1.5e+03;
0; Mismatches 0;
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Sequence 48, Application US/10092885
Publication No. US20030190618A1
GENERAL INFORMATION:
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Best Local Similarity 100.0%; P
Matches 15; Conservative 0;
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Best Local Similarity 73.3%;
Matches 11; Conservative
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1 CUUGGCUCACUGCAA 15
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CORGANISM: Homo sapiens

US-10-156-306-1660
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
FILE REPRENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR FILING DATE: 2002-05-29
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
SOFTWARE: Patentin version 3.0
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Pred. No. 1.5e+03;
4; Mismatches 0; Indels
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80.0%; Pred. No. 1.5e+03;
tive 3; Mismatches 0; Indels
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Publication No. US2003015351A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: MCSWiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of
FILE REPERENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR FILING DATE: 2002-09-29
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
SOUTHWARE: PATENTIN VERSION 3.0
SEQ ID NO 698
                                                                                                                                                                                                            ; Sequence 664, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
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Best Local Similarity 80.0
Matches 12; Conservative
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; ORGANISM: Homo sapiens
US-10-238-700-698
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ORGANISM: Homo sapiens
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Best Local Similarity
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Sequence 2408, Application US/10156306

Sequence 2408, Application US/10156306

Sequence 2408, Decision US/10156306

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Rossingen, James Targen, James Ja
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1674, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
FILE REPERENCE: MBHB01-664-A (400/156)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
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80.0%; Pred. No. 1.5e+03;
ative 3; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/10/156,306 CURRENT FILING DATE: 2002-055-28 NUMBER OF SEQ ID NOS: 8013-SOFTWARE: PATENTIN VERFION 3.0
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Best Local Similarity 80.03
Matches 12; Conservative
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ORGANISM: Homo sapiens

j ORGANISM: Homo sapiens
US-10-156-306-1670
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; ORGANISM: Homo sapiens
US-10-156-306-2408
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                                                                                                                                      SEQ ID NO 1670
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LENGTH: 17
                                                                                                                                                                                                         TYPE: RNA
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SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 697
LENGTH: 17
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Baumgartner, Jason C.
Burgess, Catherine E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Casman, Stacie J.
Chant, John S.
Berghs, Constance
Gangolli, Esha A.
Edinger, Shlomit R.
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MacDougall, John R.
Mishra, Vishnu
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Spaderna, Steven K
Shimkets, Richard A
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                                                                                                                                                                                                                                                                                                                                                                                           913 TAATAAGGGAGATAT 927
                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 TAATAAGGGAGATAT 15
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Ort, Tatiana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Anderson, David W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Smithson, Glennda
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                                                                                                                                            ORGANISM: Homo sapiens
US-10-061-201-697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-336-472-138
                                                                                                               TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR
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0.6%; Score 15; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 0;
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Publication No. US20030166229A1
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT FILING DATE: 2002-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00666
FRIOR APPLICATION NUMBER: PCT/US01/00667
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR FILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00663
FRIOR FILING DATE: 2001-01-30
                            TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1 FILE REFERENCE: PB0178
                                                                                   CURRENT PEPELCATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: CPCT/USO1/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-10
NUMBER OF SEQ ID NOS: 4162
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ORGANISM: Homo sapiens
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APPLICANT: Zhong, Mei
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-533C
CURRENT APPLICATION NUMBER: US/10/336,472
CURRENT FILING DATE: 2003-01-03
                                           ó,
    Length 17;
Score 15; DB 1; L. Pred. No. 1.5e+03;
                                                                                                                                                                                                                              Sequence 138, Application US/10336472
Publication No. US20040043929A1
GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 09/746,491
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APPLICATION NUMBER: 10/005,041
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Tchernev, Velizar T.
Vernet, Corine A.M.
Wolenc, Adam R.
Query Match

Best Local Similarity 100.0%; P. Matches 15; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ellerman, Karen
Furtak, Katarzyna
Gerlach, Valerie
Gilbert, Jennifer A.
Gunther, Erik
Gorman, Linda
Glu, Xiaojia Sasha
Ji, Weizhen
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Millet, Isabelle
Padigaru, Muralidhara
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Wed Jan 26 12:47:33 2005

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RESULT 1603
US-10-007-078-84/c
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j Sequence 9, Application US/10255434

j Publication No. US20030129626A1

j GENERAL INFORMATION:
    APPLICANT: Nielsen, Kirsten V.
    APPLICANT: Williams, Brett F.
    TITLE OF INVENTION: Suppression Of Detectable Probe Binding To The TITLE OF INVENTION: Suppression Of Detectable Probe Binding To Randomly;
    TITLE OF INVENTION: Distributed Repeat Sequences In Genomic Nucleic Acid CURRENT FILING DATE: 2002-09-24

CURRENT FILING DATE: 2002-09-24

NUMBER OF SEQ ID NOS: 26

j SEQ ID NO 9

LENGTH: 18
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PRIOR APPLICATION NUMBER: 10/055,569
PRIOR FILING DATE: 2001-10-26
PRIOR PLILING DATE: 2002-02-21
PRIOR PLILING DATE: 2002-03-07
PRIOR PLILING DATE: 2002-03-07
PRIOR PLILING DATE: 2002-03-07
PRIOR PLILING DATE: 2002-03-07
PRIOR PLILING DATE: 2002-05-01
PRIOR PLILING DATE: 2002-05-01
PRIOR PLILING DATE: 2002-05-06
PRIOR PLILING DATE: 2002-09-06
PRIOR PLILING DATE: 2002-09-06
PRIOR PLING DATE: 2002-09-06
PRIOR PLING DATE: 2002-01-04
PRIOR PLING DATE: 2002-01-04
PRIOR PLING DATE: 2002-01-04
PRIOR PLING DATE: 2002-01-04
SOUTHARE OF SEQ ID NOS: 230
SOUTHARE: CuraSeqList version 0.1
LENGTH: 17
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OTHER INFORMATION: Description of Artificial Sequence:Synthetic Probe
OTHER INFORMATION: Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Description of Artifical Sequence: Primer/Probe US-10-336-472-138
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.6%; Score 15; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 15; Conservative 0; Mismatches 0; Indels
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; Publication No. US20030129626A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            172 CCTGGCCCGGAGAGT 186
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US-10-255-434-21/c
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; OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesized US-10-108-260A-5312
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APPLICANT: Nielsen, Kirsten V.
APPLICANT: Hyldig-Nielsen, Jens J.
APPLICANT: Hyldig-Nielsen, Jens J.
APPLICANT: Williams, Brett F.
TITLE OF INVENTION: Methods, Kits And Compositions Pertaining To The TITLE OF INVENTION: Suppression Of Detectable Probe Binding To Randomly TITLE OF INVENTION: Distributed Repeat Sequences In Genomic Nucleic Acid FILE REPERENCE: BP0101-US
CURRENT APPLICATION NUMBER: US/10/255,434
CURRENT FILING DATE: 2002-09-24
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin Ver. 2.1
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Synthetic OTHER INFORMATION: Oligomer Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Synthetic Probe
OTHER INFORMATION: Sequence
US-10-255-434-21
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; Sequence 5312, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A010.
; FILE APPLICATION WUMBER: US/10/108,260A
; CURRENT APPLICATION WUMBER: US/10/108,260A
; WUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5112
; LENGTH: 18
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Publication No. US20030105042A1
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
TITLE OF INVENTION: ANTISENSE MODULATION OF EIF2C1 EXPRESSION
FILE REFERENCE: RTS-023
CURRENT APPLICATION UNMBER: US/10/007,078
CURRENT FILING DATE: 2001-11-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.6%; Score 15; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.6%; Score 15; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 15; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
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VS-10-671-395-1390/C

VS-10-671-395-1390/C

Sequence 1390, Application US/10671395

Publication No. US20040132063A1

SEQUENCE INFORMATION:

APPLICANT: Pharmacia Corp.

APPLICANT: Pharmacia Corp.

APPLICANT: Gierse, James K

TITLE OF INVENTION: EXPRESSION

FILE REFERENCE: 1179/1/US

CURRENT APPLICATION NUMBER: US/10/671,395

CURRENT APPLICATION NUMBER: G0/413,549

PRIOR FILING DATE: 2003-09-25

NUMBER OF SEQ ID NOS: 1809

SOFTWARE: Patentin version 3.2

LENGTH: 20
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Publication No. US20040132063A1
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
SEQ ID NOS: 1809
SEQ ID NO 1438
LENGTH: 20
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1.4e+03;
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                                                                                                                                                                                                                 DB 1; LE
                                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                               Query Match 0.6%; Score 15; Best Local Similarity 100.0%; Pred. No. Matches 15; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.6%; Score 15; Best Local Similarity 100.0%; Pred. No. Matches 15; Conservative 0; Mismatch
                                                                                                                                          ) OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Human PGE2 antisense
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                                                                                                                                                                                                                                                                                                         2347 GCTGGGATTACAGGC 2361
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       SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                      15 GCTGGGATTACAGGC 1
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                                                                                                 ORGANISM: artificial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-671-395-1438/c
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                          SEQ ID NO 1324
LENGTH: 20
TYPE: DNA
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LOCATION: 1..20
OTHER INFORMATION: downstream amplification primer 99-14468 for SEQ 351, in compleme
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenvo, 11ya
ITILE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET. 020CP1
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 2003-01-21
PRIOR PILING DATE: 1999-01-21
PRIOR PLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
PRIOR PILING DATE: EARLIER FILING DATE: 1999-04-21
PRIOR PILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR PILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR PILING DATE: EARLIER FILING DATE: 1998-04-21
SPRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
SPRIOR PILING DATE: EARLIER FILING DATE: 1998-04-21
SEQ ID NO 8216
LENGRHY: 20
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APPLICANT: Plarmacia Corp.
APPLICANT: Giere, James K
APPLICANT: Giere, James K
TITLE OF INVENTION: ANTESENSE MODULATION OF MICROSOMAL PROSTAGLANDIN EZ SYNTHASE
TITLE OF INVENTION: ANTESENSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
PRIOR FILING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
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Pred. No. 1.4e+03;
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                                                                                                                                     i OTHER INFORMATION: Antisense Oligonucleotide
US-10-007-078-84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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Publication No. US20040005584A1
GENERAL INFORMATION:
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, Sequence 1324, Application US/10671395
, Publication No. US20040132063A1
, GENERAL INFORMATION:
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100.0%; Pre
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                                                                                   ORGANISM: Artificial Sequence
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hes 15; Conservative
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Best Local Similarity 100.
Matches 15; Conservative
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NUMBER OF SEQ ID NOS:
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Best Local S:
Matches 15
                     SEQ ID NO 84
LENGTH: 20
                                                                     TYPE: DNA
                                                                                                               FEATURE:
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Sequence 1568, Application US/10671395
; Sequence 1568, Application US/10671395
; Sequence 1568, Application US/10671395
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corp.
; APPLICANT: Gierse, James K
; TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: 1179/1/US
; CURRENT APPLICATION NUMBER: US/10/671,395
; CURRENT PILING DATE: 2003-09-25
; PRIOR FILING DATE: 2002-09-25
; NUMBER OF SEQ ID NOS: 1809
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 1568
: LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 69, Application US/09784423
Patent No. US20020012924A1
GENERAL INFORMATION:
APPLICANT: Schumm, James W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
REPEAT DIA MATERIEFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
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COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFFWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/784,423
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REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 09/018,584
FILING DATE: 04-Feb-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Human PGE2 antisense US-10-671-395-1568
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 15-Feb-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2347 GCTGGGATTACAGGC 2361
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                              GCTGGGATTACAGGC 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: artificial
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APPLICANT: Pharmacia Corp.
APPLICANT: Giere, James K
TITLE OF INVENTION: ANTIESENSE MODULATION OF MICROSOWAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT PELLING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 20
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Publication No. US20040132063A1
GENERAL INFORMATION:
APPLICANT: Pharmacia Corp.
APPLICANT: Gierse, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: 05/10/671,395
CURRENT PILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,549
PRIOR PILING DATE: 2003-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: PatentIn version 3.2
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                                             Query Match 0.6%; Score 15; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.4e+03; Matches 15; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Human PGE2 antisense
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                                                                                                                                                                                                                                                                                                                   Sequence 1511, Application US/10671395
Publication No. US20040132063A1
GENERAL INFORMATION:
                                                                                                                                              2347 GCTGGGATTACAGGC 2361
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ORGANISM: artificial
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Matches 15; Conserv
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US-10-671-395-1438
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LENGTH: 20
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Publication No. US20040033977A1

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: C. Frank Bennett

APPLICANT: C. Frank Bennett

TITLE OF INVENTION: OLIGONUCLEOTIDE MODULATION OF CELL ADHESION

FILE REFERENCE: ISPH-0744

CURRENT FILING DATE: 2003-06-04

PRIOR APPLICATION NUMBER: 09/982,262

PRIOR APPLICATION NUMBER: 09/982,262

PRIOR PILING DATE: 2000-09-12

PRIOR PILING DATE: 2000-09-12

PRIOR PLILNG DATE: 2000-09-12

PRIOR PILING DATE: 09/128,496

PRIOR PILING DATE: 1998-08-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: primer that hybridizes to the human MATN3 gene
US-10-351-951-71
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88.9%; Pred. No. 1.5e+03;
tive 0; Mismatches 2; Indels
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0.6%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 1.5e+03;
Matches 16; Conservative 0; Mismatches 2; Indels
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TITLE OF INVENTION: GENE LINKED TO OSTEOARTHRITIS
FILE REFERENCE: 2345.2043.004
CURRENT PAPLICATION NUMBER: U5/10/351,951
CURRENT FILING DATE: 2003-01-24
PRIOR APPLICATION NUMBER: 10/057,312
PRIOR PILING DATE: 2002-11-25
PRIOR PILING DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 132
SOFTWARE: PSECSEQ for Windows Version 4.0
SEQ ID NO 71
LENGTH: 18
                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-982-262B-4
PRIOR FILING DATE: 1993-U5-1,
PRIOR APPLICATION NUMBER: 07/969,151
PRIOR PILING DATE: 1993-02-10
PRIOR APPLICATION NUMBER: 08/007,997
PRIOR PILING DATE: 1993-01-21
NUMBER OF SEQ ID NOS: 86
; SEQ ID NO 4
; LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 71, Application US/10351951
; Publication No. US20030203380A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial sequence
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Best Local Similarity 88.9
Matches 16; Conservative
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Sequence 7, Application US/0993523

Publication No. US2002008698341

GENERAL INPORMATION:

APPLICANT: Alnemri, End S.

TITLE OF INVENTION: Fadd-Like Anti-Apoptotic Molecules, Methods Of Using The Same, AT TITLE OF INVENTION: Compositions For And Methods Of Making The Same

TITLE OF INVENTION: Compositions For And Methods Of Making The Same

TITLE OF INVENTION: Compositions For And Methods Of Making The Same

TITLE OF INVENTION: Compositions For And Methods Of Making The Same

TITLE OF INVENTION: Compositions For And Methods Of Making The Same

TITLE OF INVENTION: Compositions For And Methods Of Making The Same

FILE REFERENCE: TJU2499

CURRENT APPLICATION NUMBER: 09/23,450

PRIOR FILING DATE: 1999-03-26

PRIOR FILING DATE: 1999-03-26

PRIOR FILING DATE: 1997-05-20

NUMBER OF SEQ ID NOS: 17

SEQ ID NO 7

LENGTHAR: 18
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; Publication No. US20030077565A1
; GENERAL INFORMATION
; GENERAL INFORMATION
; APPLICANT: C. Frank Bennett
; APPLICANT: C. Frank Bennett
; TITLE OF INVENTION: OLIGONUCLEOTIDE MODULATION OF CELL ADHESION
; FILE REFERENCE: ISPH-0612
; CURRENT APPLICATION NUMBER: US/09/982,262B
; PRIOR APPLICATION NUMBER: US/09/82,262B
; PRIOR APPLICATION NUMBER: 09/659,28B
; PRIOR APPLICATION NUMBER: 09/128,496
; PRIOR FILING DATE: 1998-08-03
; PRIOR FILING DATE: 1998-08-03
; PRIOR FILING DATE: 1995-06-12
; PRIOR FILING DATE: 1995-06-12
; PRIOR FILING DATE: 1995-06-12
; PRIOR APPLICATION NUMBER: 08/063,167
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                                                                                                                                                                 TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 69
TELEFAX: (608) 257-2275
                                                                                                                                                                                                                                                                                                                                                                                        2110 CTTGCTCTGTTACCCAGG 2127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Novel Sequence US-09-935-223-7
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                                                                               LENGTH: 18
TYPE: Nucleic Acid
STRANDEDNESS: Single
                            INFORMATION FOR SEQ ID NO: 69
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                       US-09-784-423-69
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| Sequence 64, Application US/09784423
| Patent No. US20020012924A1
| GENERAL INFORMATION: James W. |
| APPLICANT: Schumm, James W. |
| TITLE OF INVENTION: MATERIALS AND METHODS FOR |
| REPEAT DNA MARKERS
                                                                                                                                                                                           Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                             Length 18;
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COUNTRY: U.S.A.
ZIP: 53191-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word OF IOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/99/784,423
                                                                         ; OTHER INFORMATION: Detection oligonucleotide for CDH3 US-10-473-126-613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
0.6%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 1.5e+03;
Matches 16; Conservative 0; Mismatches 2;
                                                                                                                                       0.6%; Score 14.8; DB 1;
88.9%; Pred. No. 1.5e+03;
tive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation STREET: 2800 Woods Hollow Road CITY: Madison
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 09/018,584
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 15-Feb-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 599, Application US/1044925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 04-Peb-1998 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2106 GAGTCTTGCTCTGTTACC 2123
                                                                                                                                                                                                                                                                           18 ACCACACCCGACTAATTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: Nucleic Acid
STRANDEDNESS: Single
                             ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (608) 257-
INFORMATION FOR SEQ ID NO: 64
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                2235 ACCACACCTGGCTAATTT
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                                                                                                                                       Query Match
Best Local Similarity 88.99
Matches 16, Conservative
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US-10-444-925-599/c
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TITLE OF INVENTION: Methods and nucleic acids for the analysis of hematopoietic cell,
TITLE OF INVENTION: proliferative disorders
FILE REPERENCE:
CURRENT APPLICATION NUMBER: US/10/473,126
CURRENT FILLING DATE: 2003-09-26
NUMBER OF SEQ ID NOS: 1258
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Publication No. US20040091914A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: MASASGO AKINORI
APPLICANT: MASASGO AKINORI
APPLICANT: TAKAHATI TAKAYUKI
TITLE OF INVENTION: GENER ASSAY METHOD FOR PREDICTING GLAUCOMA ONSET RISK
FILE REFERENCE: Q76319
CURRENT APPLICATION NUMBER: US/10/627,757
CURRENT PILING DATE: 2003-07-28
PRIOR FILING DATE: 2003-07-28
PRIOR FILING DATE: 2003-09-28
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin version 3.1
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                                                                                                                                                                                                                                                                                                                                                                                       Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
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US-10-627-757-40
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0.6%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 1.5e+03;
Matches 16; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                         FEATURE:

CTHER INFORMATION: Antisense Oligonucleotide
US-10-454-663-4
PRIOR APPLICATION NUMBER: 08/440,740
PRIOR FILING DATE: 1995-05-12
PRIOR APPLICATION NUMBER: 08/063,167
PRIOR PILING DATE: 1993-05-17
PRIOR PLING DATE: 1993-02-10
PRIOR APPLICATION NUMBER: 07/969,151
PRIOR APPLICATION NUMBER: 08/007,997
PRIOR PILING DATE: 1993-02-10
PRIOR PILING DATE: 1993-01-21
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 613, Application US/10473126
Publication No. US20040234973A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial sequence
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Best Local Similarity 88.9'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-473-126-613/c
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LENGTH: 18
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LENGTH: 18
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US-10-670-011-106/c
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                GENERAL INFORMATION:
APPLICANT: Lewis, Stephen Patrick
APPLICANT: Lewis, Stephen Patrick
APPLICANT: Minghoffer, Richard
APPLICANT: Wilson, Linghoffer, Richard
APPLICANT: Wilson, Modulation of PTP1B SIGNAL TRANSDUCTION
TITLE OF INVENTION: BY RNA INTERFERENCE
FILE REFERENCE: 200125.441
CURRENT APPLICATION NUMBER: US/10/444,925
CURRENT FILING DATE: 2003.05-23
NUMBER OF SEQ ID NOS: 599
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.6%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 1.5e+03;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Kornelluk, Robert G.
APPLICANT: LaCasse, Eric
APPLICANT: Baird, Stephen
APPLICANT: Baird, Stephen
APPLICANT: Young, Sean
ITILE OF INVENTION: Antisense IAP Nucleic Acids and Uses
ITILE OF INVENTION: Thereof
TITLE OF INVENTION: Thereof
TITLE OF ILLING DATE: 2003-08-07
CURRENT APPLICATION NUMBER: US/10/636,065
CURRENT APPLICATION NUMBER: 09/672,717
PRIOR FILING DATE: 2000-09-28
NUMBER OF SEQ ID NOS: 231
SOFTWARE: PSESSEE OF Windows Version 4.0
SEQ ID NO 128
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Small interefering RNA US-10-444-925-599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) OTHER INFORMATION: based on Homo sapiens US-10-636-065-128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 128, Application US/10636065
Publication No. US20040127694A1
GENERAL INFORMATION:
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Publication No. US20040209832A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1093 TTAGTGAAGAAGGACAAG 1110
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TTACTGAAGAAGGAAAAG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19 CCATTAGTGAGACACAAG 2
                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Artificial Sequence
Publication No. US20040009946A1
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Best Local Similarity 88.99
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 16; Conservative
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US-10-670-011-10
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### PAPLICANT: Pavco, Pamela

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Vascular Endothelial

TITLE OF INVENTION: Growth Factor and Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION: Gene Expression and Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION: Gene Expression and Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION: Gene Expression and Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION: Gene Expression and Vascular Endothelial Growth Factor State 2003-02-3

FRICK PAPLICATION NUMBER: USG0/359,580

PRIOR PILING DATE: 2003-02-20

PRIOR PILING DATE: 2003-03-11

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2002-03-11

PRIOR PELING DATE: 2002-04-05

PRIOR PELING DATE: 2002-04-05

PRIOR PELING DATE: 2002-04-05

PRIOR PELING DATE: 2002-09-05

PRIOR PELING DATE: 2003-09-05

PRIOR P
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US-10-670-011-10
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0.6%; Score 14.8; DB 1; Length 19;
Best Local Similarity 27.8%; Pred. No. 1.5e+03;
Matches 5; Conservative 11; Mismatches 2; Indels
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ORGANISM: Artificial Sequence
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APPLICATION NUMBER: 60/229,513
                             RRIOR
                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region US-10-670-011-106
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PRIOR FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: US60/406,784
PRIOR PILING DATE: 2002-08-29
PRIOR PLILOK DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 427
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 575, Application US/09764887

Sequence 575, Application US/09764887

Sequence 575, Application US/09764887

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: NUMBER: US/09/764,887

CURRENT APPLICATION NUMBER: US/09/764,887

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper SOFTWARE: PatentIn Ver. 2.0

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 575

LENGTH: 66
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Sequence 575, Application US/10073961

Publication No. US2030077602A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PALISC1

CURRENT APPLICATION NUMBER: US/10/073,961

CURRENT APPLICATION NUMBER: 09/764,887

PRIOR PLING DATE: 2002-01-17

PRIOR FILING DATE: 2001-01-17

PRIOR FILING DATE: 2000-01-31

PRIOR FILING DATE: 2000-01-31

PRIOR FILING DATE: 2000-01-31

PRIOR FILING DATE: 2000-01-31
                                                                                                                                                                                                                                                                                                                                                            Query Match 0.6%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 1.5e+03; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

0.6%; Score 14.8; DB 1; Length 66;
Best Local Similarity 59.5%; Pred. No. 9.6e+02;
Matches 25; Conservative 0; Mismatches 17; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1031 AGTITCAGATCAGITIAGIGIAGAATITGAAGTIGAATCTCT 1072
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                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-887-575
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US-09-764-887-575/c
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R FILING DATE: 2000-06-28

R FILING DATE: 2000-07-11

R APPLICATION NUMBER: 60/217,487

R APPLICATION NUMBER: 60/225,758

R FILING DATE: 2000-08-14

R FILING DATE: 2000-07-26

R FILING DATE: 2000-07-26

R FILING DATE: 2000-07-26

R FILING DATE: 2000-07-11

R APPLICATION NUMBER: 60/217,496

R FILING DATE: 2000-08-14

R APPLICATION NUMBER: 60/215,447

R FILING DATE: 2000-08-14

R APPLICATION NUMBER: 60/225,757

R APPLICATION NUMBER: 60/225,757

R APPLICATION NUMBER: 60/225,757

R APPLICATION NUMBER: 60/225,668

R FILING DATE: 2000-08-12

R APPLICATION NUMBER: 60/226,668

R FILING DATE: 2000-08-12

R APPLICATION NUMBER: 60/225,757

R APPLICATION NUMBER: 60/225,757

R APPLICATION NUMBER: 60/225,757

R FILING DATE: 2000-08-12

R APPLICATION NUMBER: 60/216,647 A PPLICATION NUMBER: 60/228,924
A PILING DATE: 2000-08-30
A PPLICATION NUMBER: 60/224,518
A PILICATION NUMBER: 60/224,518
A PILICATION NUMBER: 60/234,369 R FILING DATE: 2000-11-17
R APPLICATION NUMBER: 60/236,327
R FILING DATE: 2000-09-29
R APPLICATION NUMBER: 60/241,785
R FILING DATE: 2000-10-20
R APPLICATION NUMBER: 60/244,617
R FILING DATE: 2000-11-01
R APPLICATION NUMBER: 60/225,268 R FILING DATE: 2000-08-14
RR APPLICATION NUMBER: 60/236,368
RR FILING DATE: 2000-09-29
RR APPLICATION NUMBER: 60/251,856
RR FILING DATE: 2000-12-08
RR FILING DATE: 2000-12-08
RR FILING DATE: 2000-12-08
RR FILING DATE: 2000-13-08 R FILING DATE: 2000-09-01
R APPLICATION NUMBER: 60/234,997
R FILING DATE: 2000-09-25
APPLICATION NUMBER: 60/229,343
R FILING DATE: 2000-09-01
R APPLICATION NUMBER: 60/229,345 FILING DATE: 2000-08-14
APPLICATION NUMBER: 60/216,880
FILING DATE: 2000-07-07
APPLICATION NUMBER: 60/225,270 FILING DATE: 2000-08-14
APPLICATION UNMBR: 60/251,869
ALING DATE: 2000-12-08
APPLICATION NUMBER: 60/235,834 FILING DATE: 2000-09-27 APPLICATION NUMBER: 60/234,274 FILING DATE: 2000-09-21 APPLICATION NUMBER: 60/234,223 FILING DATE: 2000-09-29
APPLICATION UMBER: 60/224,519
FILING DATE: 2000-08-14
APPLICATION NUMBER: 60/220,964 FILING DATE: 2000-07-26
APPLICATION NUMBER: 60/241,809
FILING DATE: 2000-10-20
APPLICATION NUMBER: 60/249,299 FILING DATE: 2000-09-01 APPLICATION NUMBER: 60/229,287 FILING DATE: 2000-09-01

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PRIOR FILING DATE: 2000-09-05
PRIOR FILING DATE: 2000-09-05
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PRIOR PRIOR DATE: 2000-11-08
PRIOR PRIOR DATE: 2000-11-09
PRIOR PRIOR DATE: 2000-09-13
PRIOR PRIOR DATE: 2000-09-13
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PRIOR PRIOR DATE: 2000-09-13
PRIOR PRIOR DATE: 2000-09-14
PRIOR PRIOR DATE: 2000-11-17
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R APPLICATION NUMBER: 60/25,268
R RETLING DATE: 2000-08-14
R REPLICATION NUMBER: 60/236,368
R RELING DATE: 2000-09-29
R R PILING DATE: 2000-10-09
R R PILING DATE: 2000-10-09
R R PILING DATE: 2000-12-08
R R PILING DATE: 2000-12-08
R R PILING DATE: 2000-12-08
R R PILING DATE: 2000-12-08 REFLICATION NUMBER: 60/234,937

RAPPLICATION NUMBER: 60/234,997

RETLING DATE: 2000-09-25

RETLING DATE: 2000-09-25

RETLING DATE: 2000-09-20

RETLING DATE: 2000-09-01

REPLING DATE: 2000-09-01

RETLING DATE: 2000-09-05

RETLING DATE: 2000-09-05

RETLING DATE: 2000-09-08

RETLING DATE: 2000-09-08 R APPLICATION NUMBER: 60/237,039
R FILING DATE: 2000-10-02
R FILING DATE: 2000-10-02
R FILING DATE: 2000-10-03
R APPLICATION NUMBER: 60/236,370
R PILING DATE: 2000-09-29
R FILING DATE: 2000-09-29
R FILING DATE: 2000-00-02
R FILING DATE: 2000-10-02
R APPLICATION NUMBER: 60/236,902
R FILING DATE: 2000-10-02
R APPLICATION NUMBER: 60/237,037
R FILING DATE: 2000-10-02
R APPLICATION NUMBER: 60/237,040
R FILING DATE: 2000-10-02 NR FILING DATE: 2000-10-20

RR APPLICATION NUMBER: 60/239, 935

RR FILING DATE: 2000-10-13

RR FILING DATE: 2000-10-13

RR FILING DATE: 2000-10-13

RR FILING DATE: 2000-10-20

RR PELLING DATE: 2000-10-20

RR APPLICATION NUMBER: 60/246, 474

RR APPLICATION NUMBER: 60/246, 474

RR APPLICATION NUMBER: 60/246, 532

RR FILING DATE: 2000-11-08

RR FILING DATE: 2000-11-08

RR FILING DATE: 2000-11-10

RR APPLICATION NUMBER: 60/246, 532

RR FILING DATE: 2000-11-10

RR APPLICATION NUMBER: 60/249, 216

RR APPLICATION NUMBER: 60/249, 216 APPLICATION NUMBER: 60/244,617 FILING DATE: 2000-08-22 APPLICATION NUMBER: 60/225,759 FILING DATE: 2000-08-14 FILING DATE: 2000-08-14 APPLICATION NUMBER: 60/227,182 FILING DATE: 2000-09-06 APPLICATION NUMBER: 60/215,135 FILING DATE: 2000-08-14 APPLICATION NUMBER: 60/225,213 APPLICATION NUMBER: 60/225,214 FILING DATE: 2000-08-14 FILING DATE: 2000-11-17 APPLICATION NUMBER: 60/226,681 APPLICATION NUMBER: 60/235,836 APPLICATION NUMBER: 60/230,438 APPLICATION NUMBER: 60/225,266 FILING DATE: 2000-09-27 FILING DATE: 2000-08-22 2000-06-3 FILING DATE: PRILICA REPRESENTATION OF PRILICAL REPRESENTATIO PRIOR PRIOR PRIOR rnpb.res

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RESULT 1627
US-10-212-872-962/c
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Publication No. US20030022163A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Mandrekar, Michelle N.
APPLICANT: Tareba, Allan
APPLICANT: Shultz, John W.
TITLE OF INVENTION: Deterion of Repetitive Nucleic Acid Sequences
FILE REFERENCE: US CIP of PRO-104.0
CURRENT FILING DATE: 2000-12-15;
FRICR APPLICATION NUMBER: 09/9739,909
CURRENT FILING DATE: 1999-07-21
FRICR FILING DATE: 1999-07-21
FRICR FILING DATE: 1999-08-25
NUMBER OF SEQ ID NOS: 30
SEQ ID NO 4
LENGTH: 16
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CURRENT APPLICATION NUMBER: US/09/739,909
CURRENT FILING DATE: 2000-12-15
PRIOR APPLICATION NUMBER: 09/358,972
PRIOR FILING DATE: 1999-07-21
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                                                                                                                        APPLICANT: ROSEN et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC008C2
CURRENT APPLICATION NUMBER: US/10/212,872
CURRENT FILING DATE: 2002-08-07
Prior application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 1198
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 962
LENGTH: 87
Sequence 962, Application US/10212872
Publication No. US20030215893A1
GENERAL INFORMATION:
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Publication No. US20030022163A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2146 TCTTGGCTCACTGCAA 2161
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Matches 29; Conservative
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; ORGANISM: Homo sapiens
US-10-212-872-962
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ORGANISM: Homo sapiens
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54.7%; Pred. No. 8.1e+02;
tive 0; Mismatches 24; Indels
                              OR PELICATION NUMBER: 60/249, 218
OR FILING DATE: 2000-11-17
OR APPLICATION NUMBER: 60/249, 208
OR FILING DATE: 2000-11-17
OR APPLICATION NUMBER: 60/249, 213
OR PELING DATE: 2000-11-17
OR PELING DATE: 2000-11-17
OR PELING DATE: 2000-11-17
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OR APPLICATION NUMBER: 60/231, 242

OR FILING DATE: 2000-09-08

OR FILING DATE: 2000-09-14

OR FILING DATE: 2000-09-14

OR APPLICATION NUMBER: 60/231, 063

OR FILING DATE: 2000-09-14

OR APPLICATION NUMBER: 60/232, 397

OR FILING DATE: 2000-09-14

OR APPLICATION NUMBER: 60/232, 397

OR FILING DATE: 2000-09-14

OR APPLICATION NUMBER: 60/231, 909

OR FILING DATE: 2000-09-14

OR APPLICATION NUMBER: 60/231, 909

OR FILING DATE: 2000-09-14

OR APPLICATION NUMBER: 60/241, 808

OR FILING DATE: 2000-10-20

OR APPLICATION NUMBER: 60/241, 808

OR FILING DATE: 2000-10-20

OR APPLICATION NUMBER: 60/241, 808

OR FILING DATE: 2000-10-20

OR APPLICATION NUMBER: 60/241, 2010-20

OR APPLICATION
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R FILING DATE: 2000-11-17
R FILING DATE: 2000-11-17
R FILING DATE: 2000-11-17
R APPLICATION NUMBER: 60/249, 214
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R FILING DATE: 2000-11-17
R FILING DATE: 2000-11-17
R FILING DATE: 2000-11-17
R FILING DATE: 2000-11-17
R APPLICATION NUMBER: 60/249, 297
R APPLICATION NUMBER: 60/249, 297
R APPLICATION NUMBER: 60/232, 400
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Best Local Similarity 54.7
Matches 29, Conservative
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Publication No. US20030129626A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Nielsen, Kirsten V.
APPLICANT: Hyldig-Nielsen, Jens J.
APPLICANT: Williams, Brett F.
TITLE OF INVENTION: Suppression of Detectable Probe Binding To The
TITLE OF INVENTION: Distributed Repeat Sequences In Genomic Nucleic Acid
FILE REPREMENCE: BPOINTON:
NUMBER: US/10/255,434
CURRENT FILING DATE: 2002-09-24

NUMBER: PatentIN Ver. 2.1

SEQ ID NO 5.
LENGTH: 16

TYPE: DNA

TYPE: DNA

REATURE:
FEATURE:
FEATURE:
FEATURE:
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Publication No. US20030022163A1
GENERAL INFORMATION:
APPLICANT: Mandrekar, Michelle N.
APPLICANT: Tereba, Allan
APPLICANT: Tereba, Allan
APPLICANT: Tereba, Allan
APPLICANT: Shultz, John W.
TITLE OF INVENTION: Detection of Repetitive Nucleic Acid Sequences
FILE REPERENCE: US CIP of PRO-104.0
CURRENT APPLICATION NUMBER: US/09/739, 909
CURRENT APPLICATION NUMBER: US/09/739, 909
FRIOR PILING DATE: 1999-07-21
FRIOR PELING DATE: 1999-07-21
FRIOR PELING DATE: 1999-08-25
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
LENGTH: 16
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       09/383,316
                                                                                                                                                                                                                                                                                                                                     2146 TCTTGGCTCACTGCAA 2161
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PRIOR APPLICATION NUMBER: 09/3
PRIOR FILING DATE: 1999-08-25
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PATENTIN VEY. 2.1
SEQ ID NO 5
LENGTH: 16
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                                                                                                                                             ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-739-909-5
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US-09-739-909-6
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                                                                                                                  LENGTH:
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| Sequence 60, Application US/10091281
| Publication No. US20030190617A1
| GENERAL INFORMATION:
| APPLICANT: RAYMOND, VINCENT
| APPLICANT: RAYMOND, VINCENT
| APPLICANT: APPLICANT: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
| TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
| CURRENT APPLICATION NUMBER: US/10/091,281
| CURRENT FILING DATE: 2002-03-06
| NUMBER OF SEQ ID NOS: 463
| SOFTWARE: PALENTIN VET. 2.1
| SEQ ID NO 60
| LENOTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17, Application US/10255434

Publication No. US20030129626A1

GENERAL INFORMATION.

APPLICANT: Nielsen, Kirsten V.

APPLICANT: Hyldig-Nielsen, Jens J.

APPLICANT: Hyldig-Nielsen, Jens J.

APPLICANT: Hyldig-Nielsen, Jens J.

TITLE OF INVENTION: Suppression Of Detectable Probe Binding To The TITLE OF INVENTION: Distributed Repeat Sequences In Genomic Nucleic Acid CURRENT APPLICATION NUMBER: US/10/255,434

CURRENT APPLICATION NUMBER: US/10/255,434

CURRENT PELING DATE: 2000-09-24

NUMBER OF SEQ ID NOS: 26

SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                            Gaps
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OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Synthetic OTHER INFORMATION: Oligomer Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Combined DNA/RNA Molecule:Synthetic OTHER INFORMATION: Oligomer Sequence
                                                                                       OTHER INFORMATION: Description of Artificial Sequence:Synthetic Probe OTHER INFORMATION: Sequence
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US-10-255-434-17
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0.6%; Score 14.4; DB 1; Length 16;
Best Local Similarity 93.8%; Pred. No. 1.6e+03;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                              Query Match 0.6%; Score 14.4; DB 1; Length 16; Best Local Similarity 93.8%; Pred. No. 1.6e+03; Matches 15; Conservative 0; Mismatches 1; Indels
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ORGANISM: Homo sapiens
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                                                                                                                                                  US-10-255-434-5
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LENGTH: 16
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US-10-091-281-60

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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.6%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                             THILE REPERBNUES AECONICATOR CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US/09/866,108
FRICH APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-06-4
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-
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US-09-866-108-7369
; Sequence 7369, Application US/09866108
; Patent No. US20020048800A1
; GRNERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: TY, Yonggang
; APPLICANT: PENN, Sharron G.
                                                                      Sequence 7367, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             818 AGAAATTCAGATGAA 833
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Best Local Similarity 93.8
Matches 15, Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-7367
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                                                                                                                                                                                                                                                                                                                                          Sequence 43, Application US/10092885
Publication No. US20030190618A1
GENERAL INFORMATION:
APPLICANT: SAMIL, BABRU
APPLICANT: LI, YUAN
APPLICANT: HERMIDA, LEANDRO C.
APPLICANT: HERMIDA, LEANDRO C.
APPLICANT: HERMIDA, LEANDRO C.
APPLICANT: HORMAN, MATCY L.
TITLE OF INVENTION: MITHOD FOR GENERATING FIVE PRIME BIASED TANDEM TAG
TITLE OF INVENTION: LIBRARIES OF CDNAS
FILE REFERENCE: 0109015/026
CURRENT APPLICATION NUMBER: US/10/092,885
CURRENT APPLICATION NUMBER: US/10/092,885
NUMBER OF SEQ ID NOS: 60
SOFTWARE: Patentin Ver. 2.1
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Publication No. US20030190618A1
GENERAL INFORMATION:
APPLICANT: SAWAL, BARBU
APPLICANT: HERNIDA, LEANDRO C.
APPLICANT: HERNIDA, LEANDRO C.
APPLICANT: HOFPA, NANCY L.
APPLICANT: HORPA, NANCY L.
APPLICANT: JOHE KARL K.
TITLE OF INVENTION: METHOD FOR GENERATING FIVE PRIME BIASED TANDEM TAG
TITLE OF INVENTION: METHOD FOR CENERAL SOFTILE REFERENCE: 0109015/026
CURRENT FILING DATE: 202-03-06
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PATENTIN VEY: 2.1
SEQ ID NO 55
LENGTH: 16
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0.6%; Score 14.4; DB 1; Length 16; 93.8%; Pred. No. 1.6e+03; tive 0; Mismatches 1; Indels
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                                                                                                                              285 AAACCCCGGATGGTGA 300
                                                                                                                                                                          1 AAACCCCGGGTGGTGA 16
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Query Match 0.6
Best Local Similarity 93.8
Matches 15; Conservative
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Best Local Similarity 93.8
Matches 15; Conservative
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CORGANISM: Homo sapiens
US-10-092-885-43
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; ORGANISM: Homo sapiens
US-10-092-885-55
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Gaps

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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: Boober, Robert
APPLICANT: Fattaey, Ali
APPLICANT: Fattaey, Ali
APPLICANT: McSaviggen, Jim
IITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CH
IITLE OF INVENTION: Bazyme
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                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-776-474-380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-776-474-692
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TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
FILE REPERENCE: PB01108
CURRENT APPLICATION NUMBER: US/10/060,998
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: US/01/00666
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-05-23
PRIOR FILING DATE: 2001-05-23
PRIOR RILING DATE: 2001-15-12
PRIOR RELIGATION NUMBER: US 60/343,331
PRIOR FILING DATE: 2001-12-21
NUMBER OF SEQ ID NOS: 3056
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0.6%; Score 14.4; DB 1;
Best Local Similarity 81.2%; Pred. No. 1.6e+03;
Matches 13; Conservative 2; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                      Query Match

0.6%; Score 14.4; DB 1;
Best Local Similarity 81.2%; Pred. No. 1.6e+03;
Matches 13; Conservative 2; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Enzyme
FILE REFERENCE: MBHB00-955-A (400/008)
CURRENT APPLICATION NUMBER: US/09/776,474
CURRENT FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: US 60/179,983
PRIOR FILING DATE: 2000-03-02
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; Publication No. US20030104530A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 692, Application US/09776474; Publication No. US20030087847A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  935 AAGAAGCAGTAGCAGT 950
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 692
                                                                                                                                                                 ORGANISM: Artificial Sequence FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 2992
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APPLICANT: Booher, Robert
APPLICANT: Booher, Robert
APPLICANT: Holman, Patricia
APPLICANT: Fatteey, Ali
APPLICANT: Patteey, Ali
TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHR
FILE REFERENCE: MBHB00-955-A (400/008)
CURRENT APPLICATION NUMBER: US/09/776,474
CURRENT FILING DATE: 2001-02-02
PRIOR FILING DATE: 2000-03-02
                                                                       A PPLICANT: GHANNOW, MARK

ITILE OF INVENTION: MOSIN-LIKE GENE EXPRESSED IN HUWAN HEART AND MUSCLE
FILE REPRENCE. SOUTCA-7

CURRENT APPLICATION NUMBER: US/09/866,108

CURRENT FILING DATE: 2001-05-25

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-07

PRIOR PRILING DATE: 2000-10-07

PRIOR PRILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLILING DATE: 2001-01-30

PRIOR PRIOR PLILING DATE: 2001-01-30

PRIOR PRIOR PLILING DATE: 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 380, Application US/09776474 Publication No. US20030087847A1 GENERAL INFORMATION:
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COCGANISM: Homo sapiens
US-09-866-108-7369
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Sequence 525, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: MCSWiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT PILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 2013
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US-10-156-306-534
Sequence 534, Application US/10156306
| Sequence 534, Application US/10156306
| Sequence 534, Application No. US20030119017A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: McSwiggen, James
| TITLE OF INVENTION: Levels of IKK-Gamma and PKR
| TITLE OF INVENTION: Levels of IKK-Gamma and PKR
| TITLE OF INVENTION: Levels of IKK-Gamma and PKR
| TITLE OF INVENTION: USPACE: US/10/156,306
| CURRENT FILING DATE: 2002-05-28
| NUMBER OF SEQ ID NOS: 8013
| SEQ ID NO 534
| LENGTH: 17
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Publication No. US20030119017A1
Publication No. US20030119017A1
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatio Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
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              2045 TTTTTTTTTAAA 2060
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SEQ ID NO 525
LENGTH: 17
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                                                      2 GCUCUGUUGCCCAGGC 17
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Best Local Similarity 18.83
Matches 3; Conservative
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US-10-156-306-525
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; ORGANISM: Homo sapiens
US-10-156-306-534
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Publication No. US20030119017A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IK
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Sequence 415, Application US/10060998

Publication No. US20030104530A1

SEQUENCE 415, Application US/10060998

PUBLICANT: GU, Yizhong

TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1

FILE REPERENCE: PBOILOB

CURRENT APPLICATION NUMBER: US/10/060,998

CURRENT FILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: US 09/864,761

PRIOR APPLICATION NUMBER: US 09/864,761

FRIOR PILING DATE: 2001-05-23

FRIOR PILING DATE: 2001-12-21

NUMBER OF SEQ ID NOS: 3056

SEQ ID NOS: 3056

SEQ ID NOS: 3056

LENGTH: 17
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                                                                                                                                                                                                                                                   0.6%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+03; tive 0; Mismatches 1; Indels
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 413
LENGTH: 17
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Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-413
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ORGANISM: Homo sapiens
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CRGANISM: Homo sapiens
US-10-156-306-524
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US-10-156-306-524
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US-10-156-1692
US-10-156-1692
Sequence 1692, Application US/10156306
Sequence 1692, Application US/10156306
Publication No. US20030119017A1
GENERAL INPORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBH801-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT PILING DATE: 2002-05-28
SOFTWARE: PatentIn version 3.0
SEQ.ID. NO 1692
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: WcSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PATENTIN VERSION 3.0
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Sequence 2404, Application US/10156306

Sequence 2404, Application US/10156306

Sequence 2404, Application US/10156306

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
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0.6%; Score 14.4; DB 1;
Best Local Similarity 75.0%; Pred. No. 1.6e+03;
Matches 12; Conservative 3; Mismatches 1;
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Sequence 2391, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
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        1 AGGCUGGAGUGCAAUG 16
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US-10-156-306-2391
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LENGTH: 17
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Publication No. US2030119017A1
Publication No. US2030119017A1

APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT PILIOR DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
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TITLE OF INVENTION: Ensymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OP INVENTION: Levels of IKK-Gamma and PKR
FILE REPERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patent In version 3.0
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CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SEQTYARRE: PatentIn version 3.0
SEQ ID NO 573
LENGTH: 17
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Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Best Local Similarity 75.0°
Matches 12; Conservative
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CORGANISM: Homo sapiens
US-10-156-306-1680
                                                                                                                                                                                  ; ORGANISM: Homo sapiens
US-10-156-306-573
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US-10-156-306-1691
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                                                                                                                                                               TYPE: RNA
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US-10-339-793-52

| Sequence 52, Application US/10339793
| Publication No. US20030180764A1
| Septence 52, Application US/1030180764A1
| APPLICANT: Lynx Therapeutics, Inc.
| APPLICANT: Bowen, Benjamin | APPLICANT: Soverware 37-0003100S | FILE REFERENCE: 37-0003100S | FILE REFERENCE: 37-0003100S | CURRENT FILING DATE: 2003-1-08 | NUMBER OF SEQ ID NOS: 443 | SOFTWARE: PatentIn version 3.1 | SEQ ID NO 52 | LENGTH: 17 | LENGTH: 17
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              Query Match 0.6%; Score 14.4; DB 1; Length 17; Best Local Similarity 75.0%; Pred. No. 1.6e+03; Matches 12; Conservative 3; Mismatches 1; Indels
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TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-0
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; Sequence 693, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
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Best Local Similarity 93.8%;
Matches 15; Conservative
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US-10-061-201-693
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| Sequence 34c, Application US/10238700
| Publication No. US20030153521A1
| GENERAL INFORMATION:
| APPLICANT: Ribozywe Pharmaceuticals, Inc.
| APPLICANT: McSwiggen, James
| TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
| FILE REFERENCE: 400/057 (MRH901-1158-A)
| CURRENT APPLICATION NUMBER: US/10/238,700
| CURRENT FILING DATE: 2002-05-18
| PRIOR APPLICATION NUMBER: US 60/318,471
| PRIOR FILING DATE: 2001-09-10
| PRIOR FILING DATE: 2001-09-10
| WINDER OF SEQ ID NOS: 4666
| SOFTWARE: PatentIN version 3.0
| SEQ ID NO 364
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Sequence 702, Application US/10238700

Publication No. US20030153521A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level

FILE REPERENCE: 400/057 (MBH801-1158-A)

CURRENT APPLICATION NUMBER: US/10/238,700

CURRENT FILING DATE: 2002-09-18

PRIOR APPLICATION NUMBER: PCT/US 02/16840

PRIOR PILING DATE: 2001-09-10

PRIOR FILING DATE: 2001-09-10

NUMBER OF SEQ ID NOS: 4666

SEQ ID NO 712

LENGTH: 17
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          2002-05-28
8013
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CURRENT FILING DATE: 2002-05-2
NUMBER OF SEQ ID NOS: 8013
SOFWARE: Patentin version 3.0
SEQ ID NO 2404
LENGTH: 17
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ORGANISM: Homo sapiens
                                                                                                                                                                             TYPE: RNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-238-700-712
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APPLICANT: SHANDON, MARK

APPLICANT: SHANDON, MARK

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART A.
FILER REFERENCE: PBOLOS

CURRENT APPLICATION NUMBER: US/10/723,361

PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR PLING DATE: 2001-05-25

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,656

PRIOR PLING DATE: 2000-010-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLIC
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| Sequence 2243, Application US/10498462
| Publication No. US20040259175A1
| GENERAL INFORMATION:
| APPLICANT: Guo, Jinjiao
| TITLE OF INVENTION: HUMAN PROSTATE CANCER CANDIDATE PROTEIN 1
| FILE REFERENCE: B01102
| CURRENT APPLICATION NUMBER: US/10/498,462
| CURRENT FILING DATE: 2004-06-10
| PRIOR PILING DATE: 2001-12-10
| PRIOR APPLICATION NUMBER: US 60/339,764
| PRIOR PILING DATE: 2001-12-10
| PRIOR PILING DATE: 2001-12-20
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SOFTWARE: Acomica Sequence Listing Engine
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            PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-7369
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US-10-498-462-2243
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SEQ ID NO 2243
LENGTH: 17
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APPLICANT: GIV, Yizhong
APPLICANT: GIV, Yizhong
APPLICANT: GIV, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: GHEN Wensheng
APPLICANT: GHEN Wensheng
APPLICANT: GHEN WENSHENGE, BD105
APPLICANTON: HANAN MYSSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
ITILE OF INVENTION: HUMAN MYSSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
APPLICANTON NUMBER: US 60/207,456
FRICH FILING DATE: 2000-10-04
FRICH PELING DATE: 2000-10-04
FRICH RELING DATE: 2000-05-27
FRICH APPLICANTON NUMBER: DCT/US01/0066
FRICH APPLICANTON NUMBER: PCT/US01/0066
FRICH RELING DATE: 2001-01-30
FRICH R
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                                                                                                                  Ouery Match 0.6%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+03; Matches 15; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7367, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
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Sequence 7369, Application US/10723361

Publication No. US20040137589A1

GENERAL IPCRMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang
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Best Local Similarity 93.8<sup>3</sup>
Matches 15; Conservative
; ORGANISM: Homo sapiens
US-10-339-793-52
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US-10-723-361-7367
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| FUBLICATION NO. US20040248086A9 | FUBLICATION NO. US20040248086A9 | GENERAL INFORMATION: APPLICANT: Egeland, Janice A. APPLICANT: Egeland, Janice A. APPLICANT: Egeland, Janice A. APPLICANT: Egeland, Janice A. APPLICANT: Pall, Steven M. APPLICANT: Pall, Steven M. APPLICANT: As represented by The Secretary of the APPLICANT: Department of Health and Human Services ITILE OF INVENTION: Susceptibility and Resistance Genes for TITLE OF INVENTION: UNMER: US/09/175,158 | PRIOR APPLICATION NUMBER: US/09/175,158 | PRIOR APPLICATION NUMBER: US 60/062,924 | PRIOR PILING DATE: 1997-10-20 | SOFTWARE: FastSEQ for Windows Version 3.0 | SEQ ID NO 1 | ELENTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ginns, Edward I.
APPLICANT: Egeland, Janice A.
APPLICANT: Egeland, Janice A.
APPLICANT: Paul, Steven M.
APPLICANT: Begartment of the United States of America APPLICANT: Department of Health and Human Services
ITILE OF INVENTION: Susceptibility and Resistance Genes for TITLE OF INVENTION: Bipolar Affective Disorder
ITILE OF INVENTION: Bipolar Affective Disorder
ITILE OF INVENTION: UNBER: US/09/881,012
CURRENT APPLICATION NUMBER: US/09/175,158
PRIOR RILING DATE: 1998-10-19
PRIOR FILING DATE: 1997-10-20
NUMBER OF SEQ ID NOS: 240
SOFTWARE: FastSEQ for Windows Version 3.0
IENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.6%; Score 14.4; DB 1; Length 18; Best Local Similarity 93.8%; Pred. No. 1.6e+03; Matches 15; Conservative 0; Mismatches 1; Indels
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CTHER INFORMATION: D48422 forward primer:
NAME/KEY: modified base
COCATION: (8)...(8)
CTHER INFORMATION: n = g,a,c or t
US-09-881-012-83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: D6S344 forward primer US-09-881-012-1
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Publication No. US20020192655A1
GENERAL INFORMATION:
                                                                                                Sequence 1, Application US/09881012
Publication No. US20040248086A9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2118 GTTACCCAGGCTGGAG 2133
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ORGANISM: Artificial Sequence
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Publication No. US20040259175A1

GENERAL INFORMATION:

APPLICANT: GUO, JUINIAO

TITLE OF INVENTION: HUMAN PROSTATE CANCER CANDIDATE PROTEIN 1

FILE REFERENCE: P801102

CURRENT APPLICATION NUMBER: US/10/498,462

CURRENT FILING DATE: 2004-06-10

PRIOR APPLICATION NUMBER: US 60/339,764

PRIOR FILING DATE: 2001-12-10

PRIOR FILING DATE: 2002-11-22
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| Sequence 1, Application US/09881012
| Publication No. US2020192655A1
| GENERAL INFORMATION:
| APPLICANT: Ginns, Edward I.
| APPLICANT: Ginns, Edward I.
| APPLICANT: Egeland, Janice A.
| APPLICANT: The Government of the United States of America APPLICANT: The Government of Health and Human Services
| APPLICANT: Department of Health and Human Services
| TITLE OF INVENTION: Susceptibility and Resistance Genes for TITLE OF INVENTION: Bipolar Affective Disorder
| TITLE OF INVENTION: Bipolar Bipolar Bipolar Bibolar Bib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.6%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+03; Matches 15; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 3320 SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 2245 LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2118 GTTACCCAGGCTGGAG 2133
2 GCCCTGTGTTCGGAA 17
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Best Local Similarity 93.8°
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-498-462-2245
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US-10-351-951-123
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APPLICANT: MATTEL, R.mi
TITLE OF INVENTION: RADIOLABELED DNA CARRIER, METHOD OF
TITLE OF INVENTION: THERAPEUTIC USES THEREOF
TITLE OF INVENTION WIMMER: US/09/775,479
CURRENT APPLICATION NUMBER: US/09/18,106
PRIOR APPLICATION NUMBER: 09/18,106
PRIOR PELLING DATE: 1999-05-24
PRIOR FILING DATE: 1999-05-24
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FASTER OF WINDOWS VETSION 3.0
SEQ ID NO 9
TEMPORE 100 9
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| Sequence 83, Application US/09881012
| Publication No. US20040248086A9
| GENERAL INFORMATION:
| APPLICANT: Gland: Edward I. |
| APPLICANT: Egeland, Janice A. |
| APPLICANT: Paul, Steven M. |
| APPLICANT: Department of Health and Human Services |
| APPLICANT: Department of Health and Human Services |
| TITLE OF INVENTION: Susceptibility and Resistance Genes |
| TITLE OF INVENTION: Bippolar Affective Disorder |
| FILE REFERENCE: 012380-248110US |
| CURRENT APPLICATION NUMBER: US/09/175,158 |
| PRIOR PILING DATE: 1998-10-19 |
| PRIOR FILING DATE: 1998-10-19 |
| PRIOR FILING DATE: 1998-10-19 |
| NUMBER OF SEQ ID NOS: 240 |
| SOFTWARE FREING DATE: 1997-10-20 |
| SOFTWARE FREING DATE: PARTOR WINDOWS Version 3.0 |
| SOFTWARE FREING DATE: PARTOR PA
Score 14.4; DB 1; Length 18;
Pred. No. 1.6e+03;
0; Mismatches 2; Indels
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NAME/KEY: modified base;
LOCATION: (8)...(8)
US-09-881-012-83
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Publication No. US20040067197A1
GENERAL INFORMATION:
                                                                                                                                                                        2098 TTGAGACCGAGTCTTGC 2114
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Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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LENGTH: 18
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Publication No. US20020009720A1;
GENERAL INFORMATION:
TENDICATION NO. US20020009720A1;
GENERAL INFORMATION:
TITLE OF INVENTION: PLAG gene family and tumorigenesis
TITLE REFERENCE: VIB-011-US
CURRENT APPLICATION NUMBER: US/09/242,772
CURRENT FILING DATE: 1999-06-25;
PRIOR PILING DATE: 1996-06-22
PRIOR PLING DATE: 1997-01-17
PRIOR PLING DATE: 1997-01-17
PRIOR PLING DATE: 1997-01-17
PRIOR PLING DATE: 1997-08-22
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0.6%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.6e+03;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                  Length 18;
                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 123, Application US/10351951
Publication No. US20030203380A1
GENERAL INFORMATION:
APPLICANT: Stefansson, Stefan E.
TITLE OF INVENTION: GENE LINKED TO OSTEOARTHRITIS
FILE REFERENCE: 2345.2043.004
CURRENT APPLICATION UNMBER: US/10/351,951
CURRENT FLING DATE: 2003-01-24
PRIOR FILING DATE: 2002-01-25
PRIOR FILING DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 132
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 123
                                                                                                                                  Query Match 0.6%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.6e+03;
Matches 15; Conservative 0; Mismatches 1;
; ORGANISM: Artificial Sequence; FEATURE: ; OTHER INFORMATION: oligonucleotide US-09-775-479-9
                                                                                                                                                                                                                                     2045 TITITITITITAAA 2060
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 30
LENGTH: 19
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0.6%; Score 14.4; DB 1; Length 19;
Best Local Similarity 93.8%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 25, Application US/10294228
; Sequence 25, Application US/10294228
; Publication No. US20040018176A1
; GENERAL INFORMATION:
; APPLICANT: Tolentino, Michael J.
; APPLICANT: Tolentino, Michael J.
; TITLE OF INVENTION: Compositions and Methods for siRNA; TITLE OF INVENTION: Inhibition of Anglogenesis; TITLE OF INVENTION: Inhibition of Anglogenesis; FILE REFERENCE: 43826-1
; CURRENT FILING DATE: 2002-11-14
; CURRENT FILING DATE: 2002-11-14
; PRIOR PILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 80
; SOGTWARE: PELSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 19
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                        US-10-234-228-24

| Sequence 24, Application US/10294228
| Sequence 24, Application US/10294228
| Publication No. US20040018176A1
| GENERAL INFORMATION:
| APPLICANT: Tolentino, Michael J.
| APPLICANT: Reich, Samuel Jotham
| TITLE OF INVENTION: Compositions and Methods for siRNA
| TITLE OF INVENTION: Inhibition of Angiogenesis
| TITLE OF INVENTION: Inhibition of Angiogenesis
| TITLE OF INVENTION: Inhibition of Angiogenesis
| TITLE OF INVENTION OF INHIBITION OF ANGIOGENESIS
| CURRENT APPLICATION NUMBER: US 60/398,417
| PRIOR APPLICATION UNDER: US 60/398,417
| PRIOR FILING DATE: 2002-07-24
| NUMBER OF SEQ ID NOS: 80
| SEQ ID NO 24
| WINDER OF SECON OF WINDER: US 60/398,417
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; Sequence 27098, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Targeting Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) OTHER INFORMATION: Targeting Sequence US-10-294-228-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
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US-10-294-228-25
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                                                                                                   Length 19;
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COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/320,646

FILING DATE: 17-Dec-2002

APPLICATION NUMBER: US/09/596,377

FILING DATE: 16-Ju-200

APPLICATION NUMBER: US 60/032,224

FILING DATE: 02-DEC-1996

APPLICATION NUMBER: US 60/032,224

FILING DATE: 01-DEC-1997

APPLICATION NUMBER: US 60/032,224

FILING DATE: 01-DEC-1997

APPLICATION NUMBER: US 60/032,224

FILING DATE: 01-DEC-1997

APPLICATION NUMBER: PCT/US97/21992
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                                                                                          Query Match
0.6%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 1;
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93.8%; Pred. No. 1.5e+03;
tive 0; Mismatches 1;
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REFERENCE/DOCKET NUMBER: 36870-5057-US
TELECOMMUNICATION INFORMATION:
; NAME/KEY: misc feature
; OTHER INFORMATION: antisense primer D8S1828
US-09-242-772-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-10-320-646-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Michael S. Tuscan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 202 467 7000
TELEFAX: 202 467 7176
INFORMATION FOR SEQ ID NO: 20:
                                                                                                                                                                                        2099 TGAGACCGAGTCTTGC 2114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2322 TCCGCCCACCTCGGCC 2337
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: DC
COUNTRY: USA
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TITLE OF INVENTION: GENET MAPPING METHOD USING MICROSATELLITE
TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
TILE REFERENCE: ORIN-003CIP 10.274,124A
CURRENT APPLICATION UNDERS: 1003-09-56
FRIOR MAPPLICATION NUMBER: 1003-09-56
FRIOR PILING DATE: 2003-09-56
FRIOR PILING DATE: 2003-09-10-30
FRIOR PILING DATE: 2003-09-13
FRIOR RILING DATE: 2003-09-13
FRIOR PILING DATE: 2003-09-13
FRIOR APPLICATION NUMBER: JP2002-132516
FRIOR PILING DATE: 2003-09-13
FRIOR PILING DATE: 2003-09-13
FRIOR PILING DATE: 2003-09-13
FRIOR PILING DATE: 2003-12-09
FRIOR PILING DATE: 2003-12-09
FRIOR FILING DATE: 2003-12-09
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FRIOR FILING DATE: 2003-09
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FRIOR FILING DATE: 2003-09
FRIOR FILING DATE: 2003-13-09
FRIOR FILING DATE: 2003-09
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AAK75688 AAS28528 ADG41724 AAC12517 AAC24033 AAL99210 AAL99211	AAKB 4263 AAKB 4994 AAKB 7262 AAKB 4995 AAKG 8262	AAK68855 AAK68854 AAS28332 AAI63561	AAI63558 AAI63560	ADA98801 ADG41528	ABZ67838 ABK45727 AAC11340 AAS36366	AAK91304 AAK91305	AAK91307 AAK86755 AAK75934 AAK81974	AAK81975 AAK75935	AAK81973 AAK83799	AAK86753 AAL36467	AAL36466 AAL36464	AAL02849 AAL07338	AAS32132 AAS32134	ABN90487	ABN90486	ABX59454 ABX59455	ABX59452 ADE47060	ADJ15402 ADJ15399	ADJ15400 ADJ30205	ADJ30202	ADJ 30204 AAK83861	AAK85686	ABA15851	ABA15852 AAK65876	AAK65878	AAK76883 ADT12544	AAC11941	ABN39842 ABZ09613
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72.6 72.6 72.6 71.4 71 71	722222	1222	בבנ	: 2 2 1	70.8 70.2 69.4	4.69	0 0 0 0 0 0 0 0 4 4 4 4	4.69	4.00	4.69	4.60	4.69	4.69.4	4.00	4.60	69.4 4.0	69.4 69.4	69.4 69.4	69.4	4.69	69.4 68.3	68.3	67.8	67.8	66.2	66		09
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cond	pdates/ CACCG 2		6210	•		, Ireq	e a printed,	÷.		ď.	mune/haema productive :;	secreted	reproductive reproductive	Human testicular a Human DNA for a no	Genomic sequence #		i G	Human secreted pro Human secreted pro	Human secreted pro DNA fragment of a	Human secreted pro	Human musculoskele	cDNA encoding nove	mune/haem	Nucleotide sequenc Human mouse double		Human immune/haema Himan immine/haema		Human Immune/haema Human immune/haema
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Core version 5.1.6 1993 - 2005 Compugen Ltd. 19 sw model 16:20:19; Search time 100 Second (without alignments)	3.683 Million cell updates/	ext 0.5 residues			* 008 000 summaries	, Ireq	e a printed,	÷.		Descript	Human immune/haema Human reproductive	secreted	Human reproductive Human reproductive	Human te	Genomic	Human	Human di Human im					CDNA enc	Human immune/haem	Nucleoti Human mo	Human	Human		Human 1 Human i
GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd. , using sw model 2005, 16:20:19 ; Search time 100 Second	3.683 Million cell updates/	Gape 7640	chosen parameters:		0% 100% 2000	, Ireq	e a printed,	÷.		DB ID Descript	1 AAK73008 Human ımmune/haema Human ımmune/haema Human reproductive	1 AAC13296 Human secreted 1 AAC14608 Human secreted	1 AAL07382 Human reproductive 1 AAL07385 Human reproductive 1 AAL07385 Human reproductive 1 AAL07385	1 ABL98851 Human to 1 AAS34440	1 AAS28286 Genomic 1 AAS28286	1 AAK85166 Human	1 AAK90852 Human di 1 AAK72850 Human im	1 AAC23951 . 1 AAC28711	1 AAC11043 1 ADJ12759	1 AAC23570	1 AAL37410	1 ABX60398 CDNA enc	1 AAK79823 Human immune/haem	1 AAX35141 Nucleoti 1 AAD65023 Human mo	1 AAC13689 Human	1 AAK75687 Human 1 AAK76817 Himan	1 AAK82025 Human 1 AAK76689 Human	1 AAK76646 Human 1
GenCore version 5.1.6 pyright (c) 1993 - 2005 Compugen Ltd. search, using sw model ary 25, 2005, 16:20:19; Search time 100 Second (without alignments)	3.683 Million cell updates/	Gape 7640	satisfying chosen parameters:	200000000	Match 0% Match 100% first 2000	, Ireq	e a printed,	÷.		Length DB ID Descript	.7 100 1 AAK73008 Human immune/haema .7 100 1 AAL03022 Human reproductive	100 1 AAC13296 Human secreted 100 1 AAC14608 Human secreted	.6 98 1 AAL07385 Human reproductive .	.6 98 1 ABL98851 Human re	5 100 1 AAS28286 Genomic	.5 100 1 AM41482 Human .4 96 1 AAK85166 Human	.4 100 1 AAK90852 Human di .4 99 1 AAK72850 Human im	.4 94 1 AAC23951 . .4 95 1 AAC28711	.4 100 1 AAC11043 .3 88 1 ADJ12759	.3 90 1 AAC23570	.2 87 1 AAL37410	.2 87 1 ABX60398 CDNA enc	1 87 1 AAK79823 Human immune/haem	.1 73 1 AAX35141 Nucleoti .1 73 1 AAD65023 Human mo	.1 76 1 AAC13689 Human	.1 87 1 AAK75687 Human	1 87 1 AAK82025 Human 1 87 1 AAK82025	.1 8/ 1 AAK/5689 Human 1 .1 87 1 AAK/6646 Human i
GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd nucleic search, using sw model January 25, 2005, 16:20:19 ; Search time 100 Second	3.683 Million cell updates/US-09-966-724B-2-COPY 1 GCACCGCGCGAGCTTGGCTGATTACAGGCATGAGCCACG 2	: IDENTITY_NUC Gapop 10.0 , Gape 3105 segs, 77640	of hits satisfying chosen parameters:	seq length: 0 seq length: 2000000000	: Minimum Match 0% Maximum Match 100% Listing first 2000	rng.db:*	io is the number of results predicted by chance to have a preater than or equal to the score of the result being printed, derived by analysis of the total score distribution.	SUMMARIES	Query	core Match Length DB ID Descript	3.7 100 1 AAK73008 Human immune/haema 3.7 100 1 AAL03022 Human reproductive 3.7 100 1 AAL03022 Human reproductive 3.7 100 1 AAL03022	3.6 100 1 AAC13296 Human secreted 3.6 100 1 AAC14608 Human secreted	3.6 98 1 AAL07382 Human reproductive 3.6 98 1 AAL07385 Human reproductive 3.6 9.1 AAL07385 Human Repro	3.6 98 1 ABL98851 Human Tr 3.5 99 1 ABL98851 Human Tr	3.5 100 1 AAS2886 Genomic	3.4 96 1 AAK85166 Human	3.4 100 1 AAK90852 Human di 3.4 99 1 AAK72850 Human im	3.4 94 1 AAC23951 . 3.4 95 1 AAC28711	3.4 100 1 AAC11043 3.3 88 1 ADJ12759	3.3 90 1 AAC23570	3.2 87 1 AAL37410	3.2 87 1 ABX60398 CDNA enc	3.1 87 1 AAK779823 Human immune/haem	3.1 73 1 AAX35141 Nucleoti 3.1 73 1 AAD65023 Human mo	3.1 76 1 AAC13689 Human	3.1 87 1 AAK75687 Human 3.1 87 1 AAK76817 Human	3.1 87 1 AAK82025 Human 3 1 87 1 AAK76569	3.1 87 1 AAK76646 Human 1
GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd. nucleic search, using sw model January 25, 2005, 16:20:19 ; Search time 100 Second (without alignments)	3.683 Million cell updates/US-09-966-724B-2-COPY 2372 1 GCACCGCGCGAGCTTGGCTGATTACAGGCATGAGCCACG 2	IDENTITY NUC Gapop 10.0 , Gape 3105 segs, 77640	hits satisfying chosen parameters:	length: 0 length: 200000000	Minimum Match 0% Maximum Match 100% Listing first 2000	, Ireq	e a printed,	SUMMARIES	Query	Score Match Length DB ID Descript	88.8 3.7 100 1 AAK73008 Human immune/haema 88.8 3.7 100 1 AAL03022 Human reproductive :	4 86.4 3.6 100 1 AAC12296 Human secreted 5 86.4 3.6 100 1 AAC14608 Human secreted	85.2 3.6 98 1 AAL07382 Human reproductive 7 85.2 3.6 98 1 AAL07385 Human reproductive 7 85.2 3.6 98 1 AAL07385 Human reproductive 85.2 3.6 98 1 AAL07385 Human reproductive	85.2 3.6 98 1 ABL98851 Human Tr 83.6 39 1 ABAR4440 Human Tr	10 1 200 1 2	13 81.6 3.4 96 1 AAK85166 Human	81.5 3.4 100 1 AAK90852 Human di 81.4 3.4 99 1 AAK72850 Human im	81.2 3.4 94 1 AAC23951 . 80.6 3.4 95 1 AAC28711	80 3.4 100 1 AAC11043 78.4 3.3 88 1 ADJ12759	20 78.4 3.3 90 1 AAC23570	75.8 3.2 87 1 AAL37410	23 75.8 3.2 87 1 ABX60398 CDNA enc 24 75.8 3.2 87 1 ADJ31148	25 74.2 3.1 87 1 AAK79823 Human immune/haem	26 73 3.1 73 1 AAX35141 Nucleoti 27 73 3.1 73 1 AAD65023 Human mo	28 72.8 3.1 76 1 AAC13689 Human	29 72.6 3.1 87 1 AAK75687 Human 30 72.6 3.1 87 1 AAK76817 Himan	72.6 3.1 87 1 AAK82025 Human 72.6 3.1 87 1 AAK82025 Human 72.6 3.1 87 1 AAK92025 HUMAN 72.6 3 AAK92025 HUMAN	32 72.6 3.1 87 1 AAK76646 Human 1

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2320 GATCCGCCACCTCGGCTCCCAAAGTGCTGGGATTACA 2358
                                                          39 GATCTGCCCCCCCCCCAAAAGTGCTGGGATTACA 1
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                                                                                                                                                                                                                                                                                                                                                                                                           Human secreted protein 5' EST, SEQ ID NO: 17371.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted protein 5' EST, SEQ ID NO: 18683.
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                                                                                                                                                                                                                       AAC13296 standard; cDNA; 100 BP
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                              2268 GAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCC 2327
                                                                                                                                                                                                                                                                                                                                                                                                                                 2268 GAGACAGGGTITCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCC 2327
                                                                                                                                                                                                                                                                                                                   Human; reproductive system related antigen; reproductive system disorder; cancer; gene therapy; ds.
                                                            1 GAGATGGGATTTCACCGAGTTAGCCAGGATGGTCTCGATCTCCTGACCTTGTGATCGGCC 60
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                                                                                                                                                                                                                                                                                            Human reproductive system related antigen DNA SEQ ID NO: 10073.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human testicular antigen encoding DNA fragment SEQ ID NO: 3506.
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   8; Indels
                                                                                           2328 CACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGA 2365
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                                                                                                            CACCTCGGCCTCCCAAAGTGCTGAGATTACAGGCGTGA 98
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   0; Mismatches
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                                                                                                                                                                                                                                                              (first entry)
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 90; Conservative
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Best Local Similarity
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Matches
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Human; testicular antigen; testes; cancer; metastasis; immune disorder; reproductive system disorder; urinary system disorder; gene therapy;
                                                                                                                                                                                                             1 GAGATGGGATTTCACCGAGTTAGCCAGGATGGTCTCGATCTCCTGACCTTGTGTGTCGCCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98 TTTTTTGTATTTTTAGTAGAATGGGATTTCACCGTGTTAGCCAGGATGGTCTCGCTCTC
                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; respiratory antigen; respiratory disorder; throat disorder; lung disorder; nose disorder; lung cancer; gene therapy; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Genomic sequence #126 encoding for novel human respiratory antigen.
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3.5%; Score 83.6; DB 1; Length 99;
Best Local Similarity 90.8%; Pred. No. 2.6;
Matches 89; Conservative 0; Mismatches 9; Indels
                                                                        3.6%; Score 85.2; DB 1; Length 98; 91.8%; Pred. No. 2.1; tive 0; Mismatches 8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human DNA for a novel foetal antigen, SEQ ID No 1864.
                                                                                                                                                                                                                                                                                2328 CACCTCGGCCTCCCAAGTGCTGGGATTACAGGCATGA 2365
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ID AAS28286 standard; DNA; 100
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                                                                                                Best Local Similarity 91.8
Matches 90; Conservative
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AAC28711;
                                                       AAK72850;
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RESULT 15
AAK72850/c
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                                                                                                                                                                                           1 AGTAGAGATGGGGTTTCACCGTGTTGGTCAGGATGTCTCGATCTCCTGACCTTGTGATC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 TTTTTGTATTTTTAGTAGAGACAGGGTTTCACCATCTTGGCCAGGGTGGTCTCGAACTCC 60
                                                              antiinflammatory; antiallergic; antiasthmatic; cytostatic; gene therapy; respiratory system antigen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; digestive system antigen; gene therapy; cancer; appendicitis; ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                      Gaps
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                                                                                                         Query Match 3.5%; Score 82.6; DB 1; Length 100; Best Local Similarity 90.7%; Pred. No. 2.9; Matches 88; Conservative 0; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 96;
                                       Human respiratory system associated genomic DNA seg id 720
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3.4%; Score 81.5; DB
Best Local Similarity 94.1%; Pred. No. 3.3;
Matches 95; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
3.4%; Score 81.6; DE
Best Local Similarity 90.6%; Pred. No. 3.2;
Matches 87; Conservative 0; Mismatches
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AAK90852 standard; DNA; 100 BP
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             (first entry)
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             26-FEB-2004
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AAK90852/C
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                                                                                                                                                                                                                                                                                                               Length 99;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2325 GCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  39 GCCGGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCGT 1
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BP.
AAK72850 Standard; DNA; 99
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Gene; ss; musculoskeletal system antigen; cancer; metastasis;
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ID AAC14994 standard; cDNA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA fragment of a BAC clone that encodes a human secreted protein Seq613.
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                                                                                                                                                                                                    Human, 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                                                                                                                              96 TITITIGIATITITAGIAGACAGAGGTITCAGCATGTIGGCCAGGCTGGTCTCAAACTC
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                                                                                                                                                                                                                                           Query Match 3.4%; Score 80; DB 1; Length 100; Best Local Similarity 89.6%; Pred. No. 3.9; Matches 86; Conservative 0; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                     2310 CIGACCICGIGATCCGCCCACCICGGCCTCCCAAAG 2345
2324 CGCCCACCTCGCCTCCCAAAGTGCTGGGATTACA 2358
                                                                                                                                                                                                                                                                                                                                                                     CIGACCTTGIGATCCATCCACCTCGGCCTCCCAAAG 1
                                                                                                                                                                            Human secreted protein 5' EST, SEQ ID NO: 15118
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                61 CGCCTGCCTTGATCTCCTGAAGTGCTGGGATTACA
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ID AAC23570 standard; cDNA; 90 BP.
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AC AAC23570;
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DT 06-OCT-2000 (first entry)
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DB Human secreted protein 5' EST, SE
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KW Human; 5' EST; expressed sequence
KW gene therapy; chromosome mappling;
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ID AAC11043 standard; cDNA; 100 BP.
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Best Local Similarity 94.2%; Pred. No. 4.6;
Matches 81; Conservative 0; Mismatches
                                                                                                             2310 CTGACCTCGTGATCCGCCCACCTCGGCCTC 2339
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3.2%; Score 75.8; DE
Best Local Similarity 92.0%; Pred. No. 6;
Matches 80; Conservative 0; Mismatches
                                                                                                                                             CTGACCTCGTGATCCACCCAACKCGGCCTC 1
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01-JUL-1999 (first entry)
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                                                                             2280 CACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTC
                                                                                                                                                                                                                                                                                                                                   musculoskeletal system; cytostatic; osteopathic; cancer; osteoporosis;
gene therapy; vaccine; human; ds.
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re-vascularisation; thrombosis; arteriosclerosis; mineral content;
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                           Length 87;
                                                                                                                                                                                                                                                                                                                                                                          Query Match 3.2%; Score 75.8; DB 1; Length 87; Best Local Similarity 92.0%; Pred. No. 6; Matches 80; Conservative 0; Mismatches 7; Indels
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            Query Match
Best Local Similarity 92.us
Thes 80; Conservative
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                                                                                                                                                                                                                                     665 AGGTACATCTGTGAGAGACAGGTGTCACCTTGAAGGTGGGAGTGATCAAAAGGACCT 724
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MDM2; mouse double minute; tumour; cancer; colorectal cancer; cytostatic; therapeutic; antisense therapy; human; antisense; ss.
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                                               MDM2 protein, antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin;
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Best Local Similarity 97.4%; Pred. No. 8;
Matches 74; Conservative 0; Mismatches
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Nucleotide sequence SEQ ID 49.
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tive 0; Mismatches 9; Indels
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Matches 78; Conservative
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AAK82025 standard; DNA; 87 BP.
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2280 CACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTC 2339
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                    1 CACCATGTTGGCCAGGCTGGTCTCAAACTCCTGACCTCGTGATCCACCGCCTCTGCCTC
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                                                                                                                                                                                                                                                                           Genomic sequence #368 encoding for novel human respiratory antigen.
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immunosuppressive; antiinflammatory; anti-HIV; antibacterial; vulnerary;
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  Score 71.4; DB 1; Length 84; Pred. No. '9.8;
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7. Match 3.0%; Score 71.4; E
Local Similarity 92.6%; Pred. No. 9.8;
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Matches 75;
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                                                                                Human; nootropic; neuroprotective; cytostatic; dermatological; virucide;
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3.0%; Score 71; DB 1; Length 87;
Best Local Similarity 88.5%; Pred. No. 10;
Matches 77; Conservative 0; Mismatches 10; Indels
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(first entry)
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2280 CACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTC 2339
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    1 CACCATGTTGGCCAGGCTGGTCTCAAACTCCTGACCTTGTGATCTGCCGCCTCGGCCTC 60
                                                                                                                                                                                                                                                                                                                                                                                                         Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
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                                                                                                                                                                                                                                                                                                                                                                Human immune/haematopoietic antigen genomic sequence SEQ ID NO:23667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, respiratory antigen, respiratory disorder, throat disorder, lung disorder, nose disorder, lung cancer, gene therapy, cytostatic,
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                                                                                                                                                                                                                                               Human immune/haematopoietic antigen genomic sequence SEQ ID NO:39807,
                                                                                                                                                                                                                                                                                         Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
cytostatic; gene therapy; vaccine; metastasis; ds.
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rative 0; Mismatches 10; Indels
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Best Local Similarity 88.5%; Pred. No. 10;
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61 CCAAAGTGTTGGGATTACAGGTGTGAG 87
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Matches 77; Conservative
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RESULT 47
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88.5%; Pred. No. 10;
tive 0; Mismatches 10; Indels
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Best Local Similarity 88.5%; Pred. No. 10;
Matches 77; Conservative 0; Mismatches 10; Indels
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Query Match
Best Local Similarity 88.5%
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                                        Human; kidney antigen; immunosuppressive; antiarthritic; antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic; cerebroprotective;
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                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human; secreted protein; cardiovascular disorder; arrhythmia; atherosclerosis; stroke; endocarditis; congestive heart failure;
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88.5%; Pred. No. 10;
tive 0; Mismatches 10; Indels
Human kidney related polynucleotide SEQ ID NO 875.
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Matches 77; Conservative
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05-NOV-2001
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Best Local Si
Matches 78,
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                                                                      AAC11340;
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                         RESULT 60
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ID AAK
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virucide; dermatological; immunosuppressive; antiinflammatory; anti-HIV;
                                                                                antiinflammatory, antiallergic; antiasthmatic; cytostatic, gene therapy; respiratory system antigen;
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                                                         Human respiratory system associated genomic DNA seq id 766.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 3.0%; Score 71; DB 1; Length 87; Best Local Similarity 88.5%; Pred. No. 10; Matches 77; Conservative 0; Mismatches 10; Indels
                                                                                                                  Score 71; DB 1; Length 87;
Pred. No. 10;
0; Mismatches 10; Indels
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                                                                                                                   Query Match 3.0%;
Best Local Similarity 88.5%;
Matches 77; Conservative
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                                  (first entry)
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           ADG41528;
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                                                                                                                                                                                                                                     Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
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                                                                                                                                                                          Human secreted protein 5' EST, SEQ ID NO: 15415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2311 TGACCTCGTGATCCGCCCACCTCGGCCTCCC 2341
                                                                                                                                                                                                                                                                                                                         3.0%; Score 70.2; Di
Local Similarity 85.7%; Pred. No. 12;
les 78; Conservative 0; Mismatches
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AAC11340 standard; cDNA; 92
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AAK81974;
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AAK75934/c
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Human; digestive system antigen; gene therapy; cancer; appendicitis;
ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
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                       2340 CCAAAGTGCTGGGATTACAGGCATGAG 2366
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Best Local Similarity 87.4%; Pred. No. 13;
Matches 76; Conservative 0; Mismatches
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Best Local Similarity 87.4%; Pred. No. 13;
Matches 76; Conservative 0; Mismatches
Local Similarity 87.4%; Pred. No. 13; es 76; Conservative 0; Mismatches
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ID AAK75935 standard; DNA; 87 BP.
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AAK83799 standard; DNA; 87 BP.
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Best Local Similarity 87.4%;
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ID AAK83
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                                                                       Human immune/haematopoietic antigen genomic sequence SEQ ID NO:38611
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(first entry)
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2280 CACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTC 2339
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2.9%; Score 69.4; DB 1; Length 87
Best Local Similarity 87.4%; Pred. No. 13;
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2.9%; Score 69.4; DB 1; Length 8;
Best Local Similarity 87.4%; Pred. No. 13;
Matches 76; Conservative 0; Mismatches 11; Indels
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                              AAL36466 standard; DNA; 87 BP
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ID AAL36464 standard; DNA; 87
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Human; reproductive system related antigen; reproductive system disorder; cancer; gene therapy; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CACCATGTTGGCCAGGCTGGTCTCAAACTCCTGACCCTGGACTCGGCCCACTTTGGCCTC
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Best Local Similarity 87.4%; Pred. No. 13;
Matches 76; Conservative 0; Mismatches
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                           61 CCAAAGTGCTGGAATTACAAGCGTAAG 87
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                                                                                                                                             AAL02849 standard; DNA; 87 BP.
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                                                                                                    RESULT 77
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                                                                                                                                                                                                                                                                                                                            Liver associated protein; human; mouse; rabbit; goat; horse; cat; dog; chicken; sheep; immunosuppressive; antiarthritic; vasotropic;
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                              2280 CACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTC
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 76; Conservative
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Human; liver antigen; liver disorder; hepatic disorder; infection;
hepatitis; viral; parasitic; bacterial; fungal; inflammatory condition;
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                                                    Length 87;
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ABX59454/c
ID ABX59
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AC ABX59
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                                                               Gene; 88; musculoskeletal system antigen; cancer; metastasis; re-vascularisation; thrombosis; arteriosclerosis; mineral content;
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                                       cDNA encoding novel human musculoskeletal system antigen #1798.
                                                                                                                                                                                                                                                                                                                                                                                              CDNA encoding novel human musculoskeletal system antigen #1799
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ABX59455/c
ID ABX59455 standard; cDNA; 87 BP.
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ID ABX59452 standard; cDNA; 87 BP.
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                                                                                                                                                                                                                     Human; cardiovascular system related polypeptide; cancer;
proliferative disorder; foetal abnormality; developmental abnormality;
                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CACCATGTTGGTCAGGCTGATCTCGAACTCCTGACCTCGTGATCCACCCGCCTTGGCCTC
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les 76; Conservative 0; Mismatches
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ADE47060 standard; DNA; 87 BP
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                                                                                                         29-JAN-2004 (first entry)
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Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
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2.9%; Score 68.3; D.
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ADJ30204 standard; DNA; 87 BP.
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AAK85686 standard; DNA; 90
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           musculoskeletal system; cytostatic; osteopathic; cancer; osteoporosis; gene therapy; vaccine; human; ds.
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2280 CACCGIGITAGCCAGGAIGGICTCGAICTCCTGACCTCGTGAICCGCCCACCTCGGCCTC 2339
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23-JAN-2002 (first entry)
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AAK65878/c
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immunosuppressive; antiinflammatory; anti-HIV; antibacterial; vulnerary;
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                                                         ch 2.9%; Score 68.3; DB 1; Length 90; I Similarity 91.2%; Pred. No. 14; 83; Conservative 0; Mismatches 7; Indels
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2.9%; Score 67.8; DB 1; Length 87
Best Local Similarity 86.2%; Pred. No. 15;
Matches 75; Conservative 0; Mismatches 12; Indels
cytostatic; gene therapy; vaccine; metastasis; ds.
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ID ABA15851 standard; DNA; 87
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                                                            Query Match
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                                                                                              Local
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ABA15852/c
ID ABA1589
XX
AC ABA1589
                                                                                              Best Loca
Matches
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                                                                                                                                                                                                                                           2280 CACCGGGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGCCTC 2339
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                                                        Human; nootropic; neuroprotective; cytostatic; dermatological; virucide;
immunosuppressive; antiinflammatory; anti-HIV; antibacterial; vulnerary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28
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                                                                                                                                                                                                                                                                                                 87 caccaratrogecasseriosrereaacreersacresrearceaceceserreseere
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                                                                                                                                      DB 1; Length 87;
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Human nervous system related polynucleotide SEQ ID NO 8183.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Match

Local Similarity 85.1%; Pred. No. 18;

es 74; Conservative 0; Mismatches 13; Indels
                                                                                                                                                                                         12; Indels
                                                                                                                                    Query Match
2.9%; Score 67.8; DB
Best Local Similarity 86.2%; Pred. No. 15;
Matches 75; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                      2340 CCAAAGTGCTGGGATTACAGGCATGAG 2366
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Matches 74; Conservative
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RESULT 102

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62 ACCTCGTGATCTGCCCGCC 80
                                                                                                                           15-JUL-2002
                                                                                                   ABN39842;
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                                                                                                                                                                                                                                                                                                                                RESULT 106
ABZ09613/c
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ABZ79066/c
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Matches
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                                                                                                                                                                                                                 1 TAATAGACACAGGGTTTCACCATGTTGGCCAGGATGGTCTTGATCTTGACCTTGTGAT 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   80 GGTCTCGAACTCCTGACCTTGTGATCTGCCCGCCTCCGCCTCCCAAAGTGCTGGGATTAC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                   2263 TAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGAT
                                                                                                            Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                             0; Gaps
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                                                                                     Human immune/haematopoietic antigen genomic sequence SEQ ID NO:31695.
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                                                                                                                                                                                                                                                                                                                                                                                                                    Mutant human BRCA1 genomic DNA resulting from deletion 3 SeqID 27.
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breast cancer susceptibility gene 1; BRCA1; repetitive Alu;
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                                                                                                                                                 Query Match 2.8%; Score 66; DB 1; Length 82; Best Local Similarity 87.8%; Pred. No. 18; Matches 72; Conservative 0; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 2.7%; Score 64.4; DE Best Local Similarity 91.9%; Pred. No. 21; Matches 68; Conservative 0; Mismatches
                                                                                                                                                                                                                                                     2323 CCGCCCACCTCGGCCTCCCAAA 2344
                                                                                                                                                                                                                                                                 CTGCCCGCCTTGGCCTCCCAAA 82
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             BP
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           AAK76883 standard; DNA; 82
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ADI12544 standard; DNA; 80
                                                             07-NOV-2001 (first entry)
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                                    AAK76883;
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Matches
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ID AAK7
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2256 GTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACC 2315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           68 GTATTTTTAGTAGAGGACGGGGTTTCACCATGTTAGCTAGGATGGTCTCGATTTCCTGACC
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                                                                                                                                                                                Human spliced transcript detection oligonucleotide SEQ ID NO:12590
                                                                                                                                                                                                                                             Human; mouse; rat; splice transcript; detection; RNA transcript; splice variant; transcriptome; oligonucleotide library; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; tumour suppressor; virucide; cytostatic; nootropic;
neuroprotective; neuroleptic; gene therapy; tumour suppression;
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                                                                                                                                                                                                                                                                                                                                 Query Match 2.5%; Score 60; DB 1; Length 60; Best Local Similarity 100.0%; Pred. No. 31; Matches 60; Conservative 0; Mismatches 0; Indels
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BP.
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ABN39842 standard; DNA; 60
                                                                                                                   (first entry)
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AAS57672 standard; cDNA; 69
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                                                                                                                                                                                                                                                                                                                                                                                                                     2316 TCGTGATC 2323
                                                                      2316 TCGTGATC 2323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           69
                                                                                                61 TYGTGATC 68
                                                                                                                                                                                                                                                                                                                                                                                                                                             61 TYGTGATC 68
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                                                                                                                                                                                          ABZ78742;
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neuroprotective, neuroleptic, gene therapy, tumour suppression,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.4%; Score 56.8; DB 1; Length 68; Best Local Similarity 85.3%; Pred. No. 48; Matches 58; Conservative 4; Mismatches 6; Indels
                                                                                                                                                                                                                                             DB 1; Length 68;
                                                                                                                                                                                                                                                                      6; Indels
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Best Local Similarity 91.2%; Pred. No. 40;
Matches 62; Conservative 0; Mismatches
                                                                                                                                                                           Human oligonucleotide SEQ ID 838.
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                                                                                             ABZ09678 standard; DNA; 68 BP.
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2316 TCGTGATC 2323
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ABZ79131/c
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2256 GTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCTGACC 2315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; colon tumour protein; colon cancer; gene therapy; cytostatic; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1; Length 68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cDNA #348 encoding portion of a human colon tumour protein.
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2.4%; Score 56.8; D
Best Local Similarity 85.3%; Pred. No. 48;
Matches 58; Conservative 4; Mismatches
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Best Local Similarity 91.7%; Pred. No. 79; Matches 55; Conservative 0; Mismatches
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                                                                                        1 GACGGGGTTTCCTCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTTGTAATCCGCCCA 60
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                                                                         2270 GACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCA
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neuroprotective; neuroleptic; gene therapy; tumour suppression;
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                        DB 1; Length 65;
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breast cancer susceptibility gene 1; BRCAL; repetitive Alu;
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                                                 6; Indels
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                        2.3%; Score 54.4; DE 90.6%; Pred. No. 62; ative 0; Mismatches
gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                                                                                                               Human oligonucleotide SEQ ID 889.
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             Query Match
Best Local Similarity 90.55
...hes 58; Conservative
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ABZ09729/C
ID ABZ09729/C
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AC ABZ0
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DF 16-JJ
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KW Human
KW neurc
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ID ADI12
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AC ADI12
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DT 22-AI
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DB Mutan
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hepatitis, viral, parasitic, bacterial, fungal, inflammatory condition,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; digestive system antigen; gene therapy; cancer; appendicitis; ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.2%; Score 51.6; DB 1; Length 66; Best Local Similarity 86.4%; Pred. No. 86; Matches 57; Conservative 0; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1; Length 66;
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5; Indels
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2.2%; Score 51.6; D
Best Local Similarity 86.4%; Pred. No. 86;
Matches 57; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 rGACCT 66
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Human secreted protein 5' EST, SEQ ID NO: 19798.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12-AUG-2004 (first entry)
                                                                                                                                                                                                                                                                                                                 09-JAN-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                        2315 CTC 2317
                                                                                                                                                                                               CTC 64
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                                                                                                                                                                                                                                                                                      ABZ04758;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADP10274;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AA169056;
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Matches
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ADP10274
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ABZ04758
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                                                    2251 TTTTTGTACTTTTAGTAGAGAGAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCC 2310
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                                                                                                                                                                                                                                                                                                                                                                                          2251 TITITGIACTITIAGIAGAGACAGGGITITCACCGIGITAGCCAGGAIGGICTCGAICTCC 2310
                                                                                                                                                                                                                                                                                                                                                                                                           1 TITITIGIATITITIAGIAGAGACGGGGTTTCACCATTGACCAGGCTGGTCTCAAACTCC 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                                                                                                                 liver; virucide; fungicide; antibacterial; antiparasitic; hepatotropic; antiinflammatory; cytostatic; litholytic; antirheumatic; antiarthritic;
                                                                 1 TITITIGIATITITAGIAGACGGGGITICACCAIAITGACCAGGCIGGTCTCAAACTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   67 TITITGTATTITTAGCAGAGACGGGGTTTCACCATATTGTCCAGGCTGGTCTCGAACTCC
                             Gaps
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    DB 1; Length 66;
                            9; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 2.2%; Score 51; DB 1; Length 68; Best Local Similarity 85.1%; Pred. No. 93; Matches 57; Conservative 0; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted protein 5' EST, SEQ ID NO: 15107.
                                                                                                                                                                                                                                                                         Human liver-related genomic DNA - SEQ ID 575.
 Score 51.6; DE; DE; Pred. No. 86; O; Mismatches
                                                                                                                                                                                                                                                                                                                                      Query Match
2.2%; Score 51.6; Di
Best Local Similarity 86.4%; Pred. No. 86;
Matches 57; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 121
AAC11032/c
ID AAC11032 standard; cDNA; 68 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAC15723 standard; cDNA; 64 BP.
                                                                                                                                                                                             ADJ15367 standard; DNA; 66 BP.
Query Match 2.2%;
Best Local Similarity 86.4%;
Matches 57; Conservative (
                                                                                                                                                                                                                                                (first entry)
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                                                                                                      2311 TGACCT 2316
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                                                                                                                                                                                                                       ADJ15367;
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Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17; leukocyte; gene expression profiling; allograft rejection;
atherosclerosis; congestive heart failure; systemic lupus erythematosus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Activated T-cell; immunosuppressive; immunostimulant; antiinflammatory;
                                                                                                                                                                                                         2255 TGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGAC
                                                                                                                                                                                                                                        2 TGTATTTTTAGTAGAGACAGGGTTTCGCCATGTTGTCCGGGCTGGTCTCGAACTCCTGAC
                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1747 GACAACCAATTCAAATGATTGTGCTAACTTATTTCCCCTAGTTGACCTGT 1796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human leukocyte gene expression profiling probe SEQ ID NO 4749.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GACAACCAATTCAAATGATTGTGCTAACTTATTTCCCCTAGTTGACCTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GACAACCAATTCAAATGATTGTGCTAACTTATTTCCCCTAGTTGACCTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transplant rejection; immune system; rheumatoid arthritis; inflammatory bowel disease; multiple sclerosis; HIV; AIDS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             50-mer oligonucleotide marker probe of the invention #283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match

2.1%; Score 50; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 50; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 2.1%; Score 50; DB 1; Length 50; Best Local Similarity 100.0%; Pred. No. 92; Matches 50; Conservative 0; Mismatches 0; Indels
                                                                                                                                               Indels
                                                                                           Length
                                                                                        DB 1;
                                                                                     Query Match 2.1%; Score 50.2; D
Best Local Similarity 87.3%; Pred. No. 99;
Matches 55; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Activated T-cell derived DNA fragment #192.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABZ04758 standard; DNA; 50 BP
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Human nonconservative amino acid changing SNP nucleic acid SEQ:6779.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human conservative amino acid changing SNP nucleic acid SEQ:6641
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51 GTGATCCGCCCATCTCGGCCTCCCAAAATGCTGGGATTACAGGCATGAGCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51 TGATCCGCCCATCTCGGCCTCCCAAAATGCTGGGATTACAGGCATGAGCCA 1
  Query Match 2.0%; Score 47.8; DB 1; Length 51; Best Local Similarity 96.1%; Pred. No. 1.2e+02; Matches 49; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                           Query Match

2.0%; Score 47.8; DB 1;
Best Local Similarity 96.1%; Pred. No. 1.2e+02;
Matches 49; Conservative 0; Mismatches 2;
                                                                                                                              HP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
                                                                                                                              21
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                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                            AAI79838 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-NOV-2001
                                                                                                                                                                                                             09-NOV-2001
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                                                                                                                                                                      AAI79838;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAI 79700;
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AAH89466/c
                                                                                                      AAI79838/
ID AAI77
XX
AC AAI7
XX
DT 09-NV
XX
XX
Huma:
XW Huma:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAI79700/(
ID AAI77;
XX AX AAI77;
XX XX DT 09-NC XX XX XX XX HUMAI XX XX KW HUMAI XX KW HUMAI KW Prote Y
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                                                                                                                        2250 ITITITGIACTITIAGIAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATC 2307
                                                                                                                                                                                                                                                                                                                                                                                                                                            Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic;
neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer;
                                                                                                                                                  6 TITITICANITITIAGIAGATACGGGGTITICACCGTGTIAGCCTGGATGGTCTCGATC 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; single nucleotide polymorphism; SNP; detection; identification; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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cytostatic; gene therapy; vaccine; allergen; transplant rejection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2292 CAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCA 2342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2301 CTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTG 2350
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTCGATCTCCTGACCTCGTGATCCGCCCACCTTGGCCTCCCAAAGTGCTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 2.0%; Score 48.4; DB 1; Length 51; Best Local Similarity 98.0%; Pred. No. 1.1e+02; Matches 49; 'Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human silent SNP containing nucleic acid SEQ:4818.
                                     Query Match
2.1%; Score 50; DB 1;
Best Local Similarity 91.4%; Pred. No. 1e+02;
Matches 53; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.1%; Score 49.4; DE
Best Local Similarity 98.0%; Pred. No. 99;
Matches 50; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                     Human SNP oligonucleotide #5324.
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                                                                                                                                                                                                                                                                        AAL32116 standard; DNA; 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAI77877 standard; DNA; 51
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                                                                                                                                                                                                                                                                                                                  AAL32116;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 127
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                                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; paternity test; forensic test; aberrant protein expression; ds.
                                                                                                                                                                                                                                                         Length 51;
                                                                                                                                                                                                                                                    2.0%; Score 47.8; DB 1; Length 5; Local Similarity 96.1%; Pred. No. 1.2e+02; tes 49; Conservative 0; Mismatches 2; Indels
                                                                                                                                     Human coding sequence polymorphic site SEQ ID NO: 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAK86585 standard; DNA; 63 BP.
AAH89466 standard; DNA; 51 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 132
AAK86585
ID AAK8658
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2292 CAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCA 2342

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Cytostatic; virucide; apoptotic; gene therapy; tumour suppression; tumour reversion; apoptosis; virus resistance; viral infection; tumour;
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                                                                                                                                                                                                                                                                                                                   2256 GTACTTTTAGTAGAGACAGGTTTCACCGTGTTAGCCAGGATGGTCTCGATC 2307
                                                                                                                                                                                                                                                                                                                                      1 GCATTTTTAGTAGAGACAGGGTTTCACCATGTTAGCCAGGATGGTCTCGATC 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2301 CTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAGTGCTG 2350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human genome; biallelic marker; high density disequilibrium map;
genomic map; haplotype; phenotype; polymorphic base; genotyping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2271 ACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human Alu subfamily SB gene polymorphic site, SEQ ID NO:1172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 CTCGATCTCCTGACCTCGTGATCCACCCCACCTTGGCCTCCCAAGTGCTG
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                                                                                                                                                                                                                              Query Match 2.0%; Score 47.2; DB 1; Length 52; Best Local Similarity 94.2%; Pred. No. 1.3e+02; Matches 49; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 2.0%; Score 46.8; DB 1; Length 51; Best Local Similarity 96.0%; Pred. No. 1.3e+02; Matches 48; Conservative 0; Mismatches 2; Indel8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human map-related biallelic marker SEQ ID NO:3882.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 2.0%; Score 47; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 47; Conservative 0; Mismatches 0;
                                                                                                                          Tumour suppression-related sequence, SEQ ID 592.
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ABK45620/c
1D ABK45620 standard; cDNA; 59 BP
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AC ABK45620,
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XX
DT 05-JUN-2002 (first entry)
XX
XX
DE cDNA encoding colon tumour pro
ABZ78885 standard; DNA; 52 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ69526 standard; DNA; 47 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                  (first entry)
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                                                                                  24-APR-2003
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                                       ABZ78885;
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                                                                                                                                                                                                                                                                                      2256 GTACTITIAGIAGAGAGAGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                63 GTATTITIAGTAGAGATGGTGTTTCACCCTGTTGGTCAGGCTGGTCTCGAACTCCTGACC
                                                                                                                                                                                                                                                                                                                                1 GTATTITIAGIAGAGAIGGIGITICACCCIGIIGGICAGGCIGGICICGAACICCIGACC
                                                                                                                                         Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immune/haematopoietic antigen genomic sequence SEQ ID NO:40493.
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                                                                                               Human immune/haematopoietic antigen genomic sequence SEQ ID NO:41397
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                                                                                                                                                                                                      Query Match 2.0%; Score 47.6; DB 1; Length 63; Best Local Similarity 85.5%; Pred. No. 1.3e+02; Matches 53; Conservative 0; Mismatches 9; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.0%; Score 47.2; DB 1; Length 52; Best Local Similarity 94.2%; Pred. No. 1.3e+02; Matches 49; Conservative 0; Mismatches 3; Indels
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2.0%; Score 47.6; DB 1;
Best Local Similarity 85.5%; Pred. No. 1.3e+02;
Matches 53; Conservative 0; Mismatches 9;
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                                                        (first entry)
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                                                      07-NOV-2001
               AAK86585;
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ABZ78885
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AAI79701 standard; DNA; 51
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                                                                                                                                   AAI79701;
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                                                                                                                                                                                                                                                                                                              Human; obesity associated-biallelic marker; ds; LSR; USF2; drug response; hyperuricaemia; digestive pathology; hypertension; cancer;
                                                                                                       2233 CCACCACCTGGCTAATTTTTGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAG 2290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Activated T-cell; immunosuppressive; immunostimulant; antiinflammatory; cytostatic; gene therapy; vaccine; allergen; transplant rejection;
              colon tumour; vaccine; colon cancer; immunogenic; immunotherapy;
                                                                                                                                  58 CCACCACACCCAGCTAATTTTTTGTATTCTTAGTAGACGGGGTTTCACCATGTTGG 1
                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                         2271 ACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
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                                                                                                                                                                                                                                                                                                                                                    Query Match 2.0%; Score 46.6; DB 1; Length 47; Best Local Similarity 97.9%; Pred. No. 1.3e+02; Matches 46; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                        1 ACAGGGTTTCACCGTGTTAGCCAKGATGGTCTCGATCTCCTGACCTC 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.0%; Score 46.4; DB 1; Length 54; Best Local Similarity 97.9%; Pred. No. 1.4e+02; Matches 47; Conservative 0; Mismatches 1; Indels
                                                     Score 46.8; DB 1; Length 59;
Pred. No. 1.4e+02;
0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.9%; Score 46.2; DB 1; Length 51; Best Local Similarity 94.1%; Pred. No. 1.4e+02; Matches 48; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Activated T-cell derived DNA fragment #62.
                                                                                                                                                                                                                                                                                     Human USF2 gene biallelic marker.
                                                                                                                                                                                                     ABK41287 standard; DNA; 47 BP.
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                                                  Query Match 2.0%;
Best Local Similarity 87.9%;
Matches 51; Conservative (
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                            gene; ss.
                                                                                                                                                                                                                                ABK41287;
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               Human;
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ID AAI6
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2292 CAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCA 2342
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2300 TCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTG 2350
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
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                                         Query Match 1.9%; Score 46.2; DB 1; Length 51; Best Local Similarity 94.1%; Pred. No. 1.4e+02; Matches 48; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                      Hb.
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AAH40328/c

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Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                                                                              Human immune/haematopoietic antigen genomic sequence SEQ ID NO:38773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2320 GATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.9%; Score 45.6; DB 1; Length 57; Best Local Similarity 92.3%; Pred. No. 1.6e+02; Matches 48; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.9%; Score 45.2; DB 1; Length 51;
Best Local Similarity 94.0%; Pred. No. 1.6e+02;
Matches 47; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.9%; Score 45.2; DB 1; Length 51; 94.0%; Pred. No. 1.6e+02;
                                                                                                                                                            Indels
                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human silent SNP containing nucleic acid SEQ:4265.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human silent SNP containing nucleic acid SEQ:6530
                                                                                                            Query Match
1.9%; Score 45.8; DB 1;
Best Local Similarity 87.7%; Pred. No. 1.6e+02;
Matches 50; Conservative 0; Mismatches 7;
Human secreted protein 5' EST, SEQ ID NO: 33702
                                                                                                                                                                                                                                                                                                                               BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAI79589 standard; DNA; 51 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAI77324 standard; DNA; 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-NOV-2001 (first entry)
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                 RESULT 149
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                                                                                                                                                                                              Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; single nucleotide polymorphism; SNP; polymorphism; cytostatic;
immunosuppressive; antiinflammatory; neuroprotective; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                      2304 GAICTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGAT 2354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             51
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                                                                                                                                                                                                                                                                                                                                                                               51 GATCTCCTGACCTCGTGATCCGTCCGCCTCGGCCTCCCAAAGTGCCGGGAT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 45.8; DB 1; Length 51;
Pred. No. 1.5e+02;
1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                   Length 51;
                                                                                                                                                                                                                                                                                                             3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human silent noncoding SNP oligonucleotide SEQ ID NO:152.
                                                                                                                                                                                                                                                               Query Match
1.9%; Score 46.2; DB 1;
Best Local Similarity 94.1%; Pred. No. 1.4e+02;
Matches 48; Conservative 0; Mismatches 3;
                                                                                                                                                   Human SNP flanking oligonucleotide SEQ ID 3124.
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                    ВР
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Best Local Similarity 92.2%;
Matches 47; Conservative
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AAC29627 standard; cDNA; 57
                  AAH40328 standard; DNA; 51
                                                                                                         (first entry)
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                                                                                                         14-AUG-2001
                                                                AAH40328;
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ABL00161
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RESULT 147

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RESULT 148 AAC29627/

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Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCACCCACCTCGGCCTCCCAAAGTGTTGGGATTACAGGTGTGAGGCCACCG 50
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1.8%; Score 43.6; DB 1; Length 51;
Best Local Similarity 92.0%; Pred. No. 1.9e+02;
Matches 46; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.8%; Score 43.2; DB 1; Length 51; Best Local Similarity 93.8%; Pred. No. 2e+02; Matches 45; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Indels
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                                                                                                                                                                                                                                        Human silent SNP containing nucleic acid SEQ:6529
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                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.8%; Score 43.6; DB 1;
Best Local Similarity 92.0%; Pred. No. 1.9e+02;
Matches 46; Conservative 0; Mismatches 4;
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                                                                   ВЪ.
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                                                                                                                                                                              (first entry)
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                                                                AAI79588 standard; DNA;
                                                                                                                                                                                 09-NOV-2001
                                                                                                                          AAI 79588;
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AAA77442
ID AAA7744
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DT 16-NOV-
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AAI73532/c
         RESULT 155
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   0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2252 TITIGIACTITIAGIAGAGACAGGGITICACCGIGITIAGCCAGGAIGGICT 2302
                                                          2323 CCGCCCACCTCGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 TTTTGTATTTTTAGTAGAGACGGGTTTCTCCGTGTTATCCAGATGGTCT 51
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                                                                                           CCACCCACCTCGGCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCG 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mutant human BRCA1 genomic DNA resulting from deletion 3 SeqID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TCTCCTGACCTCGTGATCCACCCCCCGGCCTCCCAAAGGGGTGGGATTA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; single nucleotide polymorphism; SNP; paternity test;
forensic test; aberrant protein expression; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.9%; Score 44.6; DB 1; Length 51;
92.2%; Pred. No. 1.7e+02;
tive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.9%; Score 44.6; DB 1; Length 51;
ilarity 92.2%; Pred. No. 1.7e+02;
Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ds, cancer; human; tumour suppressor;
breast cancer susceptibility gene 1; BRCA1; repetitive Alu;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.9%; Score 44.2; DB 1; Length 49; ilarity 93.9%; Pred. No. 1.8e+02; Conservative .0; Mismatches 3; Indels
      3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        Human coding sequence polymorphic site SEQ ID NO: 83.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human SNP flanking oligonucleotide SEQ ID 2868.
   Mismatches
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                                                                                                                                                                                                                                                                                                                                                                              01-OCT-2001 (first entry)
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Conservative
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Best Local Similarity
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Best Local Similarity
Matches 46; Conserv
47;
                                                                                                                                                                                                                                                                                                                       AAH89302;
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Matches
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AAH40072/c
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Length 51; 5; Indels

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Human nonconservative amino acid changing SNP nucleic acid SEQ:6808.
                                                   2262 TTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
                                                                                                                                                                                                                                                                                                            Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                  2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGAC 2314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human conservative amino acid changing SNP nucleic acid SEQ:6630.
                                                                        51 TTAGTAGAGACGGGGTTTCACCATGTTGGCCAGGCTGGTCTCGAACTCCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                         51 AGTAGAGACGGGCCTTCACCGTGCTAGCCAGGATGGTCTCAAACTCCTGAC 1
                                                                                                                                                                                                                                                                                                                                                              Query Match 1.8%; Score 43; DB 1;
Best Local Similarity 90.2%; Pred. No. 2e+02;
Matches 46; Conservative 0; Mismatches 5
Pred. No. 2e+02;
0; Mismatches
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                                                                                                                                                                       AAI79867 standard; DNA; 51 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAI79689 standard; DNA; 51 BP
 Best Local Similarity 90.2%;
Matches 46; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 163
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                   Matches
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ID AAI7
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                                                Human; single nucleotide polymorphism; SNP; detection; identification;
gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                              Human; single nucleotide polymorphism; SNP; detection; identification; gene therapy; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                         1 TITIGIATITITAGIAGAGAGGGTTTCACCAIGTTGGCCAGGCTGGTCT 51
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              Human Alusubfamily SQ gene polymorphic site, SEQ ID NO:1125
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                                                                                                   Query Match
1.8%; Score 43; DB 1; Length 51;
Best Local Similarity 90.2%; Pred. No. 2e+02;
Matches 46; Conservative 0; Mismatches 5; Indels
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1.8%; Score 43; DB 1; Length 51;
Best Local Similarity 90.2%; Pred. No. 2e+02;
Matches 46; Conservative 0; Mismatches 5; Indels
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Best Local Similarity 90.2*
Matches 46; Conservative
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ID AAA7
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ID AAI7
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Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                           2308 TCCTGACCTCGTGATCCGCCCACCTCGCCTCCCAAAGTGCTGGGATTACA 2358
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                                                                               Query Match 1.8%; Score 43; DB 1; Length 51; Best Local Similarity 90.2%; Pred. No. 2e+02; Matches 46; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 51;
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1.8%; Score 43; DB 1;
Best Local Similarity 90.2%; Pred. No. 2e+02;
Matches 46; Conservative 0; Mismatches
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RESULT 166

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human; mannosyl transferase; antimanic; antidepressant; gene therapy; fusion protein; chromosome 9 fusion protein; chromosome 11 translocation;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human immune/haematopoietic antigen genomic sequence SEQ ID NO:20349.
                                                                                                                                                                                                                               2089 TTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCCAGGCTGGAGTGCAGT 2139
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                                                                                                                                                                                                                                                           2267 AGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACC 2315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2267 AGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACC 2315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 AGAGACGGGGTTTCACCATTTTAGCCAGGATGGTCTCGATATCCTGACC 49
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.8%; Score 42.6; DB 1; Length 49; Best Local Similarity 91.8%; Pred. No. 2.1e+02; Matches 45; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.8%; Score 42.6; DB 1; Length 49; Best Local Similarity 91.8%; Pred. No. 2.1e+02; Matches 45; Conservative 0; Mismatches 4; Indels
                                       Human mannosyl transferase-related SNP region DNA SegID62.
                                                                                                                                              Query Match 1.8%; Score 43; DB 1; Length 51; Best Local Similarity 90.2%; Pred. No. 2e+02; Matches 46; Conservative 0; Mismatches 5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                    ВР.
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06-MAY-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                               2261 TITAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCT 2311
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                                                                                                                                                                                                                          Human; single nucleotide polymorphism; SNP; paternity test; forensic test; aberrant protein expression; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; paternity test; forensic test; aberrant protein expression; ds.
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                                                                                                                                                                                                                                                                                        / Match 1.8%; Score 43; DB 1; Length 51; Local Similarity 90.2%; Pred. No. 2e+02; nes 46; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.8%; Score 43; DB 1; Length 51; Best Local Similarity 90.2%; Pred. No. 2e+02; Matches 46; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5; Indels
                                                                                                                                                                                     Human coding sequence polymorphic site SEQ ID NO: 265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human coding sequence polymorphic site SEQ ID NO: 287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human coding sequence polymorphic site SEQ ID NO: 84.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.8%; Score 43; DB 1;
Best Local Similarity 90.2%; Pred. No. 2e+02;
Matches 46; Conservative 0; Mismatches
               RESULT 165
AAH89484/c
ID AAH89484 standard; DNA; 51 BP.
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RESULT 167

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AAI79770;
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AAC22417
ID AAC2241
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                                    RESULT 175
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protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                 2319 TGATCCCCCCCCCCCCCAAAGTGCTGGGATTACAGGCATGAGCC 2368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2268 GAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2089 TTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAG 2138
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                                                             2271 ACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
Query Match 1.8%; Score 42.2; DB 1; Length 51; Best Local Similarity 93.6%; Pred. No. 2.2e+02; Matches 44; Conservative 0; Mismatches 3; Indels
                                                                                              1 ACAGGGTTTCACCGTGTTGGCCAGGATGGTCTTGAACTCCTGACCTC 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.8%; Score 42; DB 1; Length 50; Best Local Similarity 90.0%; Pred. No. 2.3e+02; Matches 45; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.8%; Score 42; DB 1; Length 51; Best Local Similarity 90.0%; Pred. No. 2.3e+02; Matches 45; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
1.8%; Score 42; DB 1; Length 51;
Best Local Similarity 90.0%; Pred. No. 2.3e+02;
Matches 45; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                     tissue specific gene; tissue specific gene cluster;
1q22 immune gene complex; bone marrow specific gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human silent SNP containing nucleic acid SEQ:2456.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human silent SNP containing nucleic acid SEQ:10.
                                                                                                                                                                                                                                                                      Human TMD0621 promoter DNA sequence SeqID211.
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ID AA173069 standard; DNA; 51 BP.

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AC AA173069;

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DE Human silent SNP containing nucl

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W Human; single nucleotide polymor

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XW Human; single nucleotide polymor

XW Protein therapy; vaccine; probe;
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                                                                                                                                                                                                           ADG84273;
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AAI75515
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                                                                                                                                                 Human nonconservative amino acid changing SNP nucleic acid SEQ:6711.
                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2324 CGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                          2246 CTAATTTTTGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.8%; Score 41.6; DB 1; Length 51; Best Local Similarity 91.7%; Pred. No. 2.4e+02; Matches 44; Conservative 0; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                         Query Match 1.8%; Score 42; DB 1; Length 51; Best Local Similarity 90.0%; Pred. No. 2.3e+02; Matches 45; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human silent SNP containing nucleic acid SEQ:6587.
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AAI79770 standard; DNA; 51
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09-NOV-2001
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ID AAI7
XX AC AAI7
XX DT 09-N
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                                                                       Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping; ss.
                                                                                                                                                                                                                                                                                                                                                                                               Human; single nucleotide polymorphism; SNP; detection; identification; gene therapy; ss.
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                                                                                                                                                                            2255 TGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGAT 2306
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                                                                                                                                                                                             1 TGTATTTTTGGBAGAGGGGTTTCGCCATGTTGGCCAGGATGGTCGGT 52
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                                                                                                                                                                                                                                                                                                                                                                         Human Alusubfamily SQ gene polymorphic site, SEQ ID NO:1126
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.7%; Score 41.4; DB 1; Length 51; Best Local Similarity 88.2%; Pred. No. 2.4e+02; Matches 45; Conservative 0; Mismatches 6; Indels
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                                                                                                                    Length 52
                                                                                                                                                6; Indels
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                                                                                                                 Query Match
1.8%; Score 41.6; DB 1;
Best Local Similarity 86.5%; Pred. No. 2.4e+02;
Matches 45; Conservative 1; Mismatches 6;
                                           Human secreted protein 5' EST, SEQ ID NO: 26492
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AAA76989 standard; cDNA; 51 BP
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               (first entry)
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                                                                                      2312
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                                                                                                                                                                                                                                                                                                                                                                                                                   Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                             1 Tragradadececertreaceargridereageregreregaereceg
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    Length 51;
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                                             Indels
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Query Match
Best Local Similarity 88.2%; Pred. No. 2.4e+02;
Matches 45; Conservative 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
1.7%; Score 41.4; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.4e+02;
Matches 45; Conservative 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                        Human silent SNP containing nucleic acid SEQ:12.
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                                                                                                                                                                                           AA179866/c
ID AA179866 standard; DNA; 51 BP
XA AA179866;
XX
XX
DT 09-NOV-2001 (first entry)
XX
DB Human nonconservative amino a
XX
XX
XX
KW Human; single nucleotide poly
KW protein therapy; vaccine; pro
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AAI76193 standard; DNA; 51
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RESULT 18 AA174978/ XX AC AA174 XX DT 09-W XX XX XX HUMBI XW HUMBI

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2242 CTGGCTAATTTTTTTTTTTTAGTAGACAGGGTTTCACCGTGTTAGCC 2292
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                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human conservative amino acid changing SNP nucleic acid SEQ:6629.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51 CTGGCTGATTTTTTGTATTTTTAGTAGAGACGGGGTTTCGCCATGTTGGCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51 TGTATTTTTAGTAGAGACGGGGTTTTTACCATGTTGGCCAGGCTGGTCTCGA
                                                                                                                                                                                        ch 1.7%; Score 41.4; DB 1; Length 51; 1 Similarity 88.2%; Pred. No. 2.4e+02; 45; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 1.7%; Score 41.4; DB 1; Length 51; Local Similarity 88.2%; Pred. No. 2.4e+02; les 45; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.7%; Score 41.4; DB 1; Length 51; larity 88.2%; Pred. No. 2.4e+02; Conservative 0; Mismatches 6; Indel8
                                                                                         Human silent SNP containing nucleic acid SEQ:3591.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human silent SNP containing nucleic acid SEQ:3125.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human silent SNP containing nucleic acid SEQ:2594
                                                                                                                                                                                                                                                                                                                                                                                                                             BP.
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                                             09-NOV-2001 (first entry)
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Best Local Similarity
Terhes 45; Conservat
                                                                                                                                                                                                                Local Similarity
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      AAI76650;
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Matches
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AAI76184/C
1D AAI7618
XX AAI761X
XX AAI761X
XX XX BDT 09-NOV
XX XX Human 1
XX KW Human 1
XX KW Human 1
XX KW Human 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2320 GATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                         Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                           2262 TTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCTGACCTCGTGATCCGCCCACCTCGGCCTCCCA 2342
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protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   51 TTAGTAGAGACAGGGTTTCATCATGTTGGCCAGGCTGGTCTTGAACTCCTG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     51 GATCCTCCTCCTCCTCAGCTCCCAAAGTGCTGGGATTACAGGCATGCACCAC 1
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                                                                                                                                                                                                                                                                                                                                      Query Match 1.7%; Score 41.4; DB 1; Length 51; Best Local Similarity 88.2%; Pred. No. 2.4e+02; Matches 45; Conservative 0; Mismatches 6; Indels
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                                                                                                                                                                                                                                  Human silent SNP containing nucleic acid SEQ:1919.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human silent SNP containing nucleic acid SEQ:2398
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AAI74450/c
ID AAI74450 standard, DNA, 51 BP.
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ID AAI76650 standard; DNA; 51 BP.
XX
                                                                                                      AAI74978 standard; DNA; 51 BP
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                                                                                                                                             AAI74978;
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2279 TCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCA 2329
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1 AGTAGAGACGGGGTTTCACCATGTTGGCCAGGCTGGTCTCAAACTCCTGAC
                                                                                                                                                                                                                                                                                                   Human, single nucleotide polymorphism; SNP; paternity test; forensic test; aberrant protein expression; ds.
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forensic test; aberrant protein expression; ds.
                                                                                                                                                                                                                                                           Human coding sequence polymorphic site SEQ ID NO: 266
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1.7%; Score 41.4; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.4e+02;
Matches 45; Conservative 0; Mismatches 6;
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1.7%; Score 41.4; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.4e+02;
Matches 45; Conservative 0; Mismatches 6;
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AAH89308 standard; DNA; 51
                                                                                                                             AAH89485 standard; DNA; 51
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                                                                                        RESULT 195
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AC AAH8
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                                                                                      Gaps
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                                                                                                                         2300 TCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTG 2350
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                                                                                                                                                   1 TCTCGAACTCCTGACCTCAAGATCCACCTGCCTCGGCCTCCCAAAGTGCTG 51
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protein therapy; vaccine; probe; diagnostic assay; detection;
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88.2%; Pred. No. 2.4e+02;
vative 0; Mismatches 6; Indels
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                                            Length 51;
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                                                                                   6; Indels
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                                         DB 1;
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1.7%; Score 41.4; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.4e+02;
Matches 45; Conservative 0; Mismatches 6;
                                   Query Match 1.7%; Score 41.4; DB 1; Best Local Similarity 88.2%; Pred. No. 2.4e+02; Matches 45; Conservative 0; Mismatches 6
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Matches 45; Conservative
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Gaps 2245 GCTAATTTTTGTACTTTTAGTAGACAGGGTTTCACCGTGTTAGCCAGG 2295 ö 6; Indels AAH89519 standard; DNA; 51 BP. RESULT 198 AAH89519/c ID AAH895

2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGAC 2314

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Length

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AAF89248;
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; mannosyl transferase; antimanic; antidepressant; gene therapy;
fusion protein; chromosome 9 fusion protein; chromosome 11 translocation;
                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; polymorphism; cytostatic;
immunosuppressive; antiinflammatory; neuroprotective; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                         2318 GIGAICCGCCCACTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCC 2368
                                                                                                                                                                                                                                                                                                                                                                                                                                                         2270 GACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTG 2320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GACAGGGTTTCACCATGTTGGCCAGCCTGGTCTCGAACTCCTGACCTCATG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                            51 GTGATCCATCCGCCTTGCCTCCCAAAGTGCTGGGATTACAGGCGGGAGCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51 GACTACAGGCATGCGCCACGCCTGGCTAATTTTTTGTATTTTTAGTAG 1
                                                                                     Human; single nucleotide polymorphism; SNP; paternity test; forensic test; aberrant protein expression; ds.
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.7%; Score 41.4; DB 1; Length 51; Best Local Similarity 88.2%; Pred. No. 2.4e+02; Matches 45; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.7%; Score 41.4; DB 1; Length 51; Best Local Similarity 88.2%; Pred. No. 2.4e+02; Matches 45; Conservative 0; Mismatches 6; Indels
                                                                                                                         Query Match
1.7%; Score 41.4; DB 1; Length 51;
Best Local Similarity 88.2%; Pred. No. 2.4e+02;
Matches 45; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human mannosyl transferase-related SNP region DNA SegID52.
                                                                                                                                                                                                                                                                                                                                          Human silent noncoding SNP oligonucleotide SEQ ID NO:67.
                                                            Human coding sequence polymorphic site SEQ ID NO: 300.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human map-related biallelic marker SEQ ID NO:646.
                                                                                                                                                                                                                                                                ABL00076 standard; DNA; 51 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADK19850 standard; DNA; 51 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAZ66299 standard; DNA; 47 BP
                                                                                                                                                                                                                                                                                                                 05-MAR-2002 (first entry)
                                  01-OCT-2001 (first entry)
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                                                                                                                                                                                                                                                                                         ABL00076;
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          AAH89519;
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                                                                                                                                                                                                                                      RESULT 200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cluster; hierarchical clustering algorithm; population based study; clinical trial; DNA fingerprint; genetic profile analysis; PCR primer;
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Human genome, biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2261 TTTAGTAGACACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGAT 2306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2326 CCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                Query Match 1.7%; Score 41.2; DB 1; Length 47; Best Local Similarity 93.5%; Pred. No. 2.4e+02; Matches 43; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 1.7%; Score 41.2; DB 1; Length 47; Local Similarity 93.5%; Pred. No. 2.4e+02; e8 43; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.7%; Score 41.2; DB 1; Length 51;
Best Local Similarity 93.5%; Pred. No. 2.5e+02;
Matches 43; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
1.7%; Score 41.2; DB 1; Length 51;
Best Local Similarity 93.5%; Pred. No. 2.5e+02;
Matches 43; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CCCGCCTTGGCCTCCCAAAGTGCTGAGATTACAGGCATGAGCCACC 46
                                                                                                                                                                                                                                                                             47 TTTAGTAGAGACGGGGTTTCACTCTGTTAGCCAGGATGGTCTCGAT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   47 TTTAGTAGAGACGGGGTTTCACTCTGTTAGCCAGGATGGTCTCGAT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human SNP oligonucleotide #4667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF89248 standard; DNA; 47 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAL31459 standard; DNA; 51 BP
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Cytostatic; virucide; apoptotic; gene therapy; tumour suppression; tumour reversion; apoptosis; virus resistance; viral infection; tumour;
                                                                                                                                                                                                                                                                        2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACC 2315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                             52 AATAGAGACAGGGTTTCACCATGTTGGCCAGGCTGGTCTTGAACTCCTGATC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2271 ACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2326 CCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.7%; Score 40.6; DB 1; Length 51; Best Local Similarity 91.5%; Pred. No. 2.7e+02; Matches 43; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    / Match 1.7%; Score 40.6; DB 1; Length 51; Local Similarity 91.5%; Pred. No. 2.7e+02; No. 3.7 Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                               Query Match 1.7%; Score 40.8; DB 1; Length 52; Best Local Similarity 86.5%; Pred. No. 2.6e+02; Matches 45; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     50 CCTGCCTCAGCCTCCAAAGTGCTGGGATTACAGGCATGAGCCACTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 ACAGGGTTTCACCGTGTTGGCCAGGCTGGTCTTGAACTCCTGACCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human coding sequence polymorphic site SEQ ID NO: 614.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human silent SNP containing nucleic acid SEQ:4980.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human silent SNP containing nucleic acid SEQ:6453
                                                                                                           Tumour suppression-related sequence, SEQ ID 184
   ВР.
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   25
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                                                                       (first entry)
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   ABZ78477 standard; DNA;
                                                                       24-APR-2003
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                                     ABZ78477;
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                                                                                                                                                                                                                                                                                                                                                               RESULT 209
AAI78039/c
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ID AAI7
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                                                                                                                                                                                                                                                                 Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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neuroprotective; neuroleptic; gene therapy; tumour suppression;
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                                                                                                                                                                                                                                                                                                                                                                                                                     2096 TTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.7%; Score 40.8; DB 1; Length 51; Best Local Similarity 95.5%; Pred. No. 2.6e+02; Matches 42; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.7%; Score 40.8; DB 1; Length 52; Best Local Similarity 86.5%; Pred. No. 2.6e+02; Matches 45; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2329 ACCTCGGCCTCCCAAGTGCTGGGATTACAGGCATGAGCCACCG 2372
                                   9
                                                                                                                                                                                                                                                                                                                         Length 51;
                                                                                                                                                                                                                                                                                                                   Query Match
1.7%; Score 41; DB 1; Length 51;
Best Local Similarity 86.3%; Pred. No. 2.5e+02;
Matches 44; Conservative 1; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 ACCTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCAACCG 44
                    TITAGAGACAGAGTCTTGCTCTGTTACCCAGGCTGGAGTACAGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human silent SNP containing nucleic acid SEQ:5241
                                                                                                                                                                                                                               Human SNP flanking oligonucleotide SEQ ID 596.
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                                                                                                           800/c
AAH37800 standard; DNA; 51 BP
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ABZ78477/c
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ID AA1730
XC AA1730
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KW Human;
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                                                                                                                                                                                                                                                                                                                                            Human; single nucleotide polymorphism; SNP; chromosome 15; detection; identification; gene therapy; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human nonconservative amino acid changing SNP nucleic acid SEQ:6712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sequence polymorphism analysis; human identity; human relatedness; single nucleotide polymorphism; SNP; genetic disease; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                    2294 GGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAA 2343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2268 GAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
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                                                                                                                                        50 GGATGGTCTCGATCTCTTTACCTCATGATCCACCCGCCTTGGCCTCCCAA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.7%; Score 40.4; DB 1; Length 51; Best Local Similarity 88.0%; Pred. No. 2.7e+02; Matches 44; Conservative 0; Mismatches 6; Indels
               Human; single nucleotide polymorphism; SNP; paternity test; forensic test; aberrant protein expression; ds.
                                                                                                                                                                                                                                                                                                                                                                                                51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.7%; Score 40.4; DB 1; Length 51; Best Local Similarity 88.0%; Pred. No. 2.7e+02; Matches 44; Conservative 0; Mismatches 6; Indels
                                                               Length 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human single nucleotide polymorphism (SNP) region Seg ID32
                                                                                           6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                      2330 CCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 42
                                                                                                                                                                                                                                                                                                                  Human clone cg43971764 polymorphic site, SEQ ID NO:911
                                                           Query Match
1.7%; Score 40.4; DB 1;
Best Local Similarity 88.0%; Pred. No. 2.7e+02;
Matches 44; Conservative 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.7%; Score 40.4; DB 1;
Best Local Similarity 97.6%; Pred. No. 2.7e+02;
Matches 41; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC16930 standard; DNA; 51 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAI79771 standard; DNA; 51 BP.
                                                                                                                                                                                                                           AAA77228 standard; cDNA; 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-DEC-2003 (first entry)
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                                                                                                                                                                                                                                                                                      16-NOV-2000
                                                                                                                                                                                                                                                        AAA77228;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 212
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                                                                                                                                                                                                                                                                                                                                                                                                            Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        50 TICTITITITIGAGACAGAGTCTCACTCTGTCGCCCAGGCTGGAGTGCAG 1
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acute lymphoblastic leukaemia; AML; acute myeloid leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2268 GAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCCTCGACCTC
1 CTAATITITIGIATITITIAGIAGAGGCGGGGTTTCGCCATGTTGGCCAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GAGACAGGGTTTCACCATGTTGACCGGGCTGGTCTCGAACTCCTGACCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.7%; Score 40.4; DB 1; Length 51;
Best Local Similarity 88.0%; Pred. No. 2.7e+02;
Matches 44; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.7%; Score 40.4; DB 1; Length 51; Best Local Similarity 88.0%; Pred. No. 2.7e+02; Matches 44; Conservative 0; Mismatches 6; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.7%; Score 40; DB 1; Length 48; Best Local Similarity 89.6%; Pred. No. 2.8e+02; Matches 43; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                       Human silent SNP containing nucleic acid SEQ:2455.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human silent SNP containing nucleic acid SEQ:9.
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                                                                                                                                                                      AAI75514 standard; DNA; 51
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ID ADB73481 standard; DNA; 48
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                                                                                                                                                                                                                                                                                           (first entry)
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ABZ79051;
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AAC14922/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                  Gaps
                                                                                                               Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                  Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                       2241 CCTGGCTAATTTTTTTTTTTTAGTAGAGACAGGGTTTCACCGTGTT 2288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2260 TITIAGIAGAGACAGGGITTCACCGTGTTAGCCAGGATGGTCTCGATC 2307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITIAGIAGAGATGGGGTTTCACCGTGTTGGCCAGGCTGGTCTWGATC 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   51
                                                                                                                                                                                                                      CCTGGCTAATTTTTATATTTTCAGTAGAGACGGGGTTTCACCATGTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GTGATCCTCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGATATGA
                                                                                                                                                   Query Match 1.7%; Score 40; DB 1; Length 51; Best Local Similarity 89.6%; Pred. No. 2.8e+02; Matches 43; Conservative 0; Mismatches 5; Indels
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                                                                                       Human silent SNP containing nucleic acid SEQ:6588.
                                                                                                                                                                                                                                                                                                                                                                         Human silent SNP containing nucleic acid SEQ:246.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human SNP flanking oligonucleotide SEQ ID 2320.
              BP.
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AAI79647/c
ID AAI79647 standard; DNA; 51
                                                                                                                                                                                                                                                                                             AAI73305 standard; DNA; 51
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                                                             09-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                09-NOV-2001 (first entry)
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                                     AAI79647;
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                                                                                                                                                                                                                                                                       RESULT 219
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ID AAI7
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AAH39524
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                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2262 TTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; tumour suppressor; virucide; cytostatic; nootropic; neuroprotective; neuroleptic; gene therapy; tumour suppression;
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Pred. No. 2.9e+02;
0; Mismatches 7; Indels
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                                                                                                                            Query Match 1.7%; Score 40; DB 1; Length 51; Best Local Similarity 89.6%; Pred. No. 2.8e+02; Matches 43; Conservative 0; Mismatches 5; Indels
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1.7%; Score 40; DB 1; Length 51;
Best Local Similarity 89.6%; Pred. No. 2.8e+02;
Matches 43; Conservative 0; Mismatches 5; Indels
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Human oligonucleotide SEQ ID 758.
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Best Local Similarity 86.3%;
Matches 44; Conservative
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Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2320 GATCCGCCCACCTCGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                              2202 CCTCCCAATTAGCTTGGCCTACAGTCATCTGCCACCACCACCACGCTAATTT 2252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                     Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                     51 GGCTGGTCTCAAACTCCTGATCTTGTCATCGCCCCGCCTCGGCCTCCCAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          51 GATCCTCCTGCTTTGGCCTCCCAAAGTGCTGGATTATAGGCATGAGCCGC 1
                                                                                                                                                                                                                                                               Query Match 1.7%; Score 39.8; DB 1; Length 51; Best Local Similarity 86.3%; Pred. No. 2.9e+02; Matches 44; Conservative 0; Mismatches 7; Indels
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1.7%; Score 39.8; DB 1; Length 51;
Best Local Similarity 86.3%; Pred. No. 2.9e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
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                                                                                                                                                                Human silent SNP containing nucleic acid SEQ:4351.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human silent SNP containing nucleic acid SEQ:2395.
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ID AAI77410 standard; DNA; 51 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAI75454 Standard; DNA; 51
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                                                                                                                        09-NOV-2001 (first entry)
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                                                                                   AAI77410;
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ID AAI75
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AC AAI75
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ID AAI7.
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AC AAI7.
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    0; Gaps
                                     2086 TIATTATTTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGC 2136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2320 GATCCGCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2242 CIGGCTAATTTTTGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCC 2292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2292 CAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCA 2342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                          Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
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protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 51;
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1.7%; Score 39.8; DB 1; Length 51
Best Local Similarity 86.3%; Pred. No. 2.9e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
    7; Indels
                                                                                                                                                                                                                                                                                                 Human silent SNP containing nucleic acid SEQ:1392.
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  0; Mismatches
                                                                                                                                   AAI75456/c
ID AAI75456 standard; DNA; 51 BP.
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  44; Conservative
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Matches
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ID AAI7
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Best Local Similarity 86.3%; Pred. No. 2.9e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
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                                                                                                                                                        AAH89317 standard; DNA; 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAH89553 standard; DNA; 51
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Matches 44; Conservative
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Best Local Similarity
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                                                                                                                           RESULT 235
AAH89317/c
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AAH89553/c
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                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                       2262 TTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
                                           Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                           Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2087 TATTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCA 2137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
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                                                                                                                                                                          TITICITITITITITAGACAGAGTCTCACTCTGTCGCCCAGGCTGGAGTGCA 1
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                                                                                         Query Match 1.7%; Score 39.8; DB 1; Length 51; Best Local Similarity 86.3%; Pred. No. 2.9e+02; Matches 44; Conservative 0; Mismatches 7; Indels
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1.7%; Score 39.8; DB 1; Length 51;
Best Local Similarity 86.3%; Pred. No. 2.9e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
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             Human silent SNP containing nucleic acid SEQ:1920
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                                                                                                                                                                                                                                                                                                                                                            Human silent SNP containing nucleic acid SEQ:11.
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AAI73070 standard; DNA; 51 BP.
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AAH90586 standard; cDNA; 51
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ID AAI7
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2245 GCTAATTTTTGTACTTTTAGTAGAGAGAGGGTTTCACCGTGTTAGCCAGG 2295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2267 AGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
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                                   GCTAATITITITGTATITITAATAGAAACGGGGATTCACCATGTTGGCCAGG 51
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                                                                                                                                                                                                                                                                                                                                                                                                                      Human, single nucleotide polymorphism; SNP, paternity test, forensic test, aberrant protein expression; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.7%; Score 39.8; DB 1; Length 51;
86.3%; Pred. No. 2.9e+02;
tive 0; Mismatches 7; Indels
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86.3%; Pred. No. 2.9e+02;
tive 0; Mismatches 7; Indels
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AAH89309,

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Human; G protein subunit 9.02; cancer; constipation; diarrhoea; cough; cardiac asthma; colic; psychic disease; probe;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human glutathione-S-transferase MGST2 gene polymorphic site, #6334.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; drug metabolising enzyme; gene; drug metabolism; chromosome polymorphic site; drug evaluation; drug screening; genotyping;
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                                                                                                   Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                          Human conservative amino acid changing SNP nucleic acid SEQ:6639.
                                                                                                                                                                                                                                                                                    2096 TTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
                                                                                                                                                                              Match 1.7%; Score 39.6; DB 1; Length 51; Local Similarity 91.3%; Pred. No. 3e+02; les 42; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.7%; Score 39.4; DB 1; Length 41; Best Local Similarity 97.6%; Pred. No. 2.8e+02; Matches 40; Conservative 0; Mismatches 1; Indels
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1.7%; Score 39.4; DB 1; Length 41;
Best Local Similarity 97.6%; Pred. No. 2.8e+02;
Matches 40; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                 TTTAGAGACAGAGTCTTGCTCTGTTGCCCAGGCTGGAGTACAGTGG
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ID ABZ20666 standard, DNA; 41 BP.
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09-NOV-2001 (first entry)
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Best Local Si
Matches 42;
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immunosuppressive; antiinflammatory; neuroprotective; antimicrobial;
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forensic test; aberrant protein expression; ds.
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Pred. No. 2.9e+02;
0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                         Human; single nucleotide polymorphism; SND; paternity test; forensic test; aberrant protein expression; ds.
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1.7%; Score 39.8; DB 1; Length 5;
Best Local Similarity 86.3%; Pred. No. 2.9e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                       Query Match 1.7%; Score 39.8; DB 1; Length 5 Best Local Similarity 86.3%; Pred. No. 2.9e+02; Matches 44; Conservative 0; Mismatches 7; Indels
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                                                                                                                                                                                                                           Human coding sequence polymorphic site SEQ ID NO: 90.
                                                                     AAH89309 standard; DNA; 51 BP.
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Best Local Similarity 86.3%;
Matches 44; Conservative C
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RESULT 241 AAI79698/C ID AAI7969 XX AC AAI7969

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AAI77874 standard; DNA; 51
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                                                                                                                                                                                                                                     Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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Similarity 97.6%; Pred. No. 2.8e+02;
10; Conservative 0; Mismatches 1; Indels
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1.7%; Score 39.4; DB 1; Length 51;
Best Local Similarity 87.8%; Pred. No. 3e+02;
Matches 43; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                           Query Match 1.7%; Score 39.4; DB 1; Length 51; Best Local Similarity 97.6%; Pred. No. 3e+02; Matches 40; Conservative 0; Mismatches 1; Indels
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breast cancer susceptibility gene 1; BRCA1; repetitive Alu;
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                                                  2298 GGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCT 2338
                                                                                                                                                                                                                                                                                                                         2318 GTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA 2358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human coding sequence polymorphic site SEQ ID NO: 599
                                                                                                                                                                                                                                                                                                                                        41 GIGAICCGCCCGCCTCGGCCTCCCAAAGIGCTGGGATTACA 1
                                                             41 GGTCTCGATCTCCTGACCTCATGATCCGCCCACCTCGGCCT
                                                                                                                                                                                                             Human silent SNP containing nucleic acid SEQ:6521
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Pred. No. 2.9e+02;
0; Mismatches 3
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Best Local Similarity 93.2%;
Matches 41; Conservative
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ADI12541 standard; DNA; 44
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Best Local Simi
Matches 40;
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ID AAI7951
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XW Human;
KW Human;
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                                                                                                                                                                                                                                                   Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                               Query Match 1.7%; Score 39.2; DB 1; Length 5 Best Local Similarity 93.2%; Pred. No. 3.1e+02; Matches 41; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.6%; Score 39; DB 1; Length 49; Best Local Similarity 89.4%; Pred. No. 3.1e+02; Matches 42; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 ACCTIGGCCTCCCAAAGTGCTGGGACTACAGGCATGAGCAACCG 44
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                                                                                                                                                                                        Human silent SNP containing nucleic acid SEQ:5242
BP.
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AAI78301 standard; DNA; 51
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AAI79075;
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                                                                Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                  Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human, single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                             1 AATTITITGTATTITITAGTAGAGAC-GGGTTTCACCGTGTTAGCCCAGGATGG 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels 1;
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                                                                                                             Length 51;
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.6%; Score 38.9; DB 1; Length 51; Best Local Similarity 96.2%; Pred. No. 3.2e+02; Matches 50; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.6%; Score 38.8; DB 1; Length 51; Best Local Similarity 95.2%; Pred. No. 3.2e+02; Matches 40; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2330 CCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human clone cg43971764 polymorphic site, SEQ ID NO:912.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CCTCAGCCTCCCAAAGTGCTGGGATCACAGGCATGAGGCCACC 42
                                                                                                                                                                                                                                                                                                                                          Human silent SNP containing nucleic acid SEQ:4816.
                                       Human silent SNP containing nucleic acid SEQ:4815.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human silent SNP containing nucleic acid SEQ:2592
                                                                                                           Query Match 1.6%; Score 38.9; DB 1; Best Local Similarity 96.2%; Pred. No. 3.2e+02; Matches 50; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВР
                                                                                                                                                                                                                                                          AAI77875 standard; DNA; 51 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAI75651 standard; DNA; 51 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAA77229 standard; cDNA; 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
              09-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                09-NOV-2001 (first entry)
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                                                                                                         Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                     AAI77875;
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Matches
                                                                                                                                                                                                                               RESULT 254
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                       2249 ATTITITGTACTITITAGTAGACAGGGTTTCACCGTGTTAGCCAGGATG 2298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2089 TTATTTTTTGAGACCGAGICTTGCTCTGTTACCCAGGCTGGAGTGCAG 2138
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2220 CTACAGTCATCTGCCACCACCTGGCTAATTTTTTGTACTTTAGTAGA 2269
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 TITITITITIGAAACAGGGTCTCGCTCTGCTGCCCAGGCTGGAGTGCAG 51
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                                                                                                                                                                                                        50 Arriritariritaricadeadacadearriceccardiredecedecre 1
Query Match 1.6%; Score 38.8; DB 1; Length 51; Best Local Similarity 86.0%; Pred. No. 3.2e+02; Matches 43; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.6%; Score 38.8; DB 1; Length 51; Best Local Similarity 86.0%; Pred. No. 3.2e+02; Matches 43; Conservative 0; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.6%; Score 38.8; DB 1; Length 51; Best Local Similarity 86.0%; Pred. No. 3.2e+02; Matches 43; Conservative 0; Mismatches 7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human silent SNP containing nucleic acid SEQ:6016.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human silent SNP containing nucleic acid SEQ:1760.
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Wed Jan 26 12:47:32 2005

RESULT 258

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AAI74884
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XX AC AAIX
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Pseudocyclic oligonucleotide, functional segment, protective segment; nucleic acid detection; mRNA cleavage; antisense therapy; PCO;
                                                                                                                           Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                            2318 GTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCA 2362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 40;
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                                                                                                                                                                                                                                                                                                7 GCGATCCTCCAACCCCGGCCTCCCAAAGTGCTGGGATTACAGGCA 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR; primer; amplification; Alu repeat sequence; vector; circular yeast artificial chromosome; YAC; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2332 TCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    659 GGACTCAGGTACATCTGTGAGTGAGAACAGGTGTCACCTT 698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40 TCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACC 1
                                                                                   Human silent SNP containing nucleic acid SEQ:2483.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / Match 1.6%; Score 38.4; DB 1; Local Similarity 97.5%; Pred. No. 3.1e+02; nes 39; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
1.6%; Score 38.4; DB 1;
Best Local Similarity 97.5%; Pred. No. 3.1e+02;
Matches 39; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Yeast artificial chromosome; YAC; inter-Alu PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleotide sequence of an Alu PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human MDM2 40mer PCR template.
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                                                                                                                                                                                                                                                                                                                                                                                                       AAV19044/c
ID AAV19044 Btandard; DNA; 40
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                                            (first entry)
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                                            09-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV19044;
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Best Local S
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    AAI75542;
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ID AAAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                                                                                                                                                                                                                                                                                                                             2256 GTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGA 2305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2268 GAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2311 TGACCTCGTGATCCGCCCCCCCCCCCCCCAAAGTGCTGGGATTACAGG 2360
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2 CTACAGGCACGCCCACCACGCCCGGCTAATTTTTGTATTTTTAGTAGA 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50 TGACCTCGTGATCTGCCTGTCTCGACCTCCCCAAAGTACCGGGATTACAGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51 GAGACAGGGTTTCACTATGTTGGCTAGGCTGGTCTCGAACTCCTGATCTC 2
                                                                                                                                                                                                                                                                                                                                     Query Match 1.6%; Score 38.8; DB 1; Length 51; Best Local Similarity 86.0%; Pred. No. 3.2e+02; Matches 43; Conservative 0; Mismatches 7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human mannosyl transferase-related SNP region DNA SeqID20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human silent SNP containing nucleic acid SEQ:1906.
                                                                                                                                                                                                                                  Human silent SNP containing nucleic acid SEQ:1825.
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                                                                                                         ВР
                                                                                                       AAI74884 standard; DNA; 51
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ADK19818 standard; DNA; 51
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                                                                                                                                                                                           (first entry)
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                                                                                                                                                 AAI74884;
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RESULT 260

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RESULT 261

Š 셤 AAI75542 ID AAI7 XX

RESULT 259

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RESULT 265

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Matches

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Human; G protein subunit 9.02; cancer; constipation; diarrhoea; cough; cardiac asthma; colic; psychic disease; probe;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human glutathione-S-transferase MGST2 gene polymorphic site, #742.
                                                                                                                                                                                                                                                                                                                                                                             Human; single nucleotide polymorphism; SNP; genome; gene therapy;
protein therapy; vaccine; probe; diagnostic assay; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2260 TITIAGIAGACAGGGITICACCGIGITAGCCAGGAIGGICTCGAIC 2307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTTTAGTAGAGACAGGGTTTCGCCATGTTGGCCAGGCTGGTCTTGAAC 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.6%; Score 38.4; DB 1; Length 51;
Best Local Similarity 87.5%; Pred. No. 3.4e+02;
Matches 42; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . Match 1.6%; Score 37.8; DB 1; Length 41; Local Similarity 95.1%; Pred. No. 3.3e+02; les 39; Conservative 0; Mismatches 2; Indels
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ilarity 95.1%; Pred. No. 3.3e+02;
Conservative 0; Mismatches 2; Indels
     4 GTGATCCTCCTGCCTCGGCCTCTCAAAGTGCTGGGATTACAGATATGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2322 TCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCA 2362
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human G protein subunit 9-02 coding sequence probe #2.
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                                                                                                                                                                                                                                                                                                                      Human silent SNP containing nucleic acid SEQ:3755.
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ID ABZ44160 standard; DNA; 41 BP.
                                                                                                                                                                BP
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                                                                                                                                                           AAI76814 standard; DNA; 51
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les 39; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-JUN-2003
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Matches
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ABZ20667/c
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Matches
                                                                                                               RESULT 268
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                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2241 CCTGGCTAATTTTTTTTTTTAGTAGAGACAGGGTTTCACCGTGTT 2288
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                                                   / Match 1.6%; Score 38.4; DB 1; Length 40; Local Similarity 97.5%; Pred. No. 3.1e+02; Nes 39; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.6%; Score 38.4; DB 1; Length 40; Best Local Similarity 97.5%; Pred. No. 3.1e+02; Matches 39; Conservative 0; Mismatches 1; Indels
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transformation-associated recombination; PCR; primer; ss.
                                                                                                                                                           2332 TCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40 TCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human silent SNP containing nucleic acid SEQ:3444.
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                                                                                                                                                                                                                                                                                                                                            ABL60505 standard; DNA; 40 BP.
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RESULT 266

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                                                                                    Human; drug metabolising enzyme; gene; drug metabolism; chromosome 1; polymorphic site; drug evaluation; drug screening; genotyping;
                                                                                                                                                                                                                                                                                                                                                              Human; drug metabolising enzyme; gene; drug metabolism; chromosome 4; polymorphic site; drug evaluation; drug screening; genotyping;
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                                                                                                                       Query Match 1.6%; Score 37.8; DB 1; Length 41; Best Local Similarity 95.1%; Pred. No. 3.3e+02; Matches 39; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                        2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCG 2304
                                                                                                                                                                                       1 AGTAGAGACGGGTTTCACCGTGTTAGCCAGCATGGTCTCG 41
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                                                          Human NDUFS5 gene polymorphic site, #944.
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                                   26-JUN-2003 (first entry)
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           ABZ44160;
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ö ö ö ö Human; drug metabolising enzyme; gene; drug metabolism; chromosome 1; polymorphic site; drug evaluation; drug screening; genotyping; Human; drug metabolising enzyme; gene; drug metabolism; chromosome 2; polymorphic site; drug evaluation; drug screening; genotyping; Gaps Gaps Gaps Gaps Human BRCA1 DNA junction sequence comprising large deletion SeqID 3. Human genome, biallelic marker; high density disequilibrium map, genomic map; haplotype; phenotype; polymorphic base; genotyping; ö ö ö Query Match
1.6%; Score 37.8; DB 1; Length 41;
Best Local Similarity 95.1%; Pred. No. 3.3e+02;
Matches 39; Conservative 0; Mismatches 2; Indels ds; cancer; human; tumour suppressor; breast cancer susceptibility gene 1; BRCAl; repetitive Alu; Length 42; Query Match 1.6%; Score 37.4; DB 1; Length 47; Best Local Similarity 87.2%; Pred. No. 3.7e+02; Matches 41; Conservative 0; Mismatches 6; Indels Query Match 1.6%; Score 37.8; DB 1; Length 4 Best Local Similarity 95.1%; Pred. No. 3.4e+02; Matches 39; Conservative 0; Mismatches 2; Indels Query Match 1.6%; Score 37.8; DB 1; Length 4 Best Local Similarity 95.1%; Pred. No. 3.3e+02; Matches 39; Conservative 0; Mismatches 2; Indels 2318 GTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA 2358 2328 CACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCC 2368 2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCG 2304 1 AGTAGAGACGGGGTTTCACCGTGTTAGCCAGCATGGTCTCG 41 41 CGCCTCGGCCTCCCAAGTGCTGGGATTACAGGCGTGAGCC 1 41 GTGATCTGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACA 1 Human map-related biallelic marker SEQ ID NO:2999. Human NDUFS5 gene polymorphic site, #6954. ADI12523 standard; DNA; 42 BP. ABZS0172 standard; DNA; 41 BP AAZ68649 standard; DNA; 47 BP 22-APR-2004 (first entry) 10-SEP-2001 (first entry) 26-JUN-2003 (first entry)

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AAK86862 standard; DNA; 45 BP.
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                            AAK86862;
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                                                                                                                                                                                                        Human; tumour suppressor factor 11.77; cytostatic; haemostatic; virucide; immunomodulatory; antiinflammatory; gene therapy; malignant tumour;
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ulcerative colitis; infection; Hirschsprung's disease; chronic colitis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human BRCA1 DNA junction sequence comprising large deletion SeqID 1.
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           1 TCGGCTGCCTCAGCCTCCCAAAGTGCTAAGAATTATAGGCGTGAGCC 47
                                                                                                                                                                                                                                               Query Match
1.5%; Score 36.2; DB 1; Length 41;
Best Local Similarity 92.7%; Pred. No. 4e+02;
Matches 38; Conservative 0; Mismatches 3; Indels
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1.5%; Score 35.4; DB 1; Length 45;
Best Local Similarity 86.7%; Pred. No. 4.5e+02;
Matches 39; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2087 TATTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGG 2131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ds; cancer; human; tumour suppressor; breast cancer susceptibility gene 1; BRCA1; repetitive Alu;
                                                                                                                                                                             Human tumour suppressor factor 11.77 probe 1 SEQ ID NO:8.
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                                                                                                                                                                                                                                                                                                                     .006/c
AAK91006 standard; DNA; 45 BP.
                                                                                             ABA94091 standard; DNA; 41 BP
                                                                                                                                                                                                                                                                                                                                                                                                 ADI12521 standard; DNA; 42 BP
                                                                                                                                                   (first entry)
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                                                                                                                                                   08-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                             ADI12521;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAK91006;
                                                                                                                        ABA94091;
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                                                                                 ABA94091/c
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RESULT 281 AAK86862/c

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Liver associated protein; human; mouse; rabbit; goat; horse; cat; dog; chicken; sheep; immunosuppressive; antiarthritic; vasotropic;
                                                                                                    Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                     Human immune/haematopoietic antigen genomic sequence SEQ ID NO:41674.
                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                     Match 1.5%; Score 35.4; DB 1; Length 45; Local Similarity 86.7%; Pred. No. 4.5e+02; les 39; Conservative 0; Mismatches 6; Indels
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                                                                                                                                                                                                                                                                                               2087 TATTATTTTTGAGACCGAGTCTTGCTCTTTACCCAGGCTGG 2131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.5%; Score 35.4; DB 1; Length 45; Best Local Similarity 86.7%; Pred. No. 4.5e+02; Matches 39; Conservative 0; Mismatches 6; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAL02933 standard; DNA; 45 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAS32041/c
ID AAS32041 standard; DNA; 45 BP.
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(first entry)
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ABN90396/C
ID ABN903
AC ABN903
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DT 24-JUL
DE Human
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ADA4446;
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ABZ67723/c
                                                                                      RESULT 288
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                                                                                                      ADA4446,
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           Human; liver antigen; liver disorder; hepatic disorder; infection;
hepatitis; viral; parasitic; bacterial; fungal; inflammatory condition;
                                                                                                                                                                                                                                                                                                                                                 Human; secreted protein; cancer; tumour; hyperproliferative disorder; autoimmune disorder; inflammation; angiogenic diseases; AIDS;
                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; secreted protein; cancer; tumour; hyperproliferative disorder; autoimmune disorder; inflammation; angiogenic diseases; AIDS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                   Secreted protein gene 198 genomic fragment HMICP65, SEQ ID NO:1308.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          human; secreted protein, cardiovascular disorder; arrhythmia; atherosclerosis; stroke; endocarditis; congestive heart failure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Secreted protein gene 1 genomic fragment H6BSF56, SEQ ID NO:853.
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                                                       Query Match 1.5%; Score 35.4; DB 1; Length 45; Best Local Similarity 86.7%; Pred. No. 4.5e+02; Matches 39; Conservative 0; Mismatches 6; Indels
                                                                                                                   TGAGACCGAGTCTTGCTCTGTTACCCAGGCTGG 2131
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86.7%; Pred. No. 4.5e+02;
ative 0; Mismatches 6; Indels
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                                                                                                                                               45 TITITITITITITIGAGACGGAGICICGCICIGICCCCCAGGCIGG 1
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                                                                                                                                                                                                                         ABZ74161 standard; DNA; 45
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Best Local Similarity 86.7%
Matches 39, Conservative
                                                                                                                                                                                                                                                                                     12-MAY-2003 (first entry)
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                                                                                                                 2087 TATTATTTTTT
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                                                                                                                                                                                           RESULT 285
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ö ö ö Human; secreted protein; nootropic; neuroprotective; cytostatic; virucide; dermatological; immunosuppressive; antiinflammatory; anti-HIV; Human; secreted protein; nootropic; neuroprotective; cytostatic; virucide; dermatological; immunosuppressive; antiinflammatory; anti-HIV; Gaps Gaps Gaps Gene therapy, human, Antidiabetic, Anorectic, Ophthalmological, Neuroprotective, Cerebroprotective, Antianemic, ds. ö ö ö 2087 TATTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGG 2131 2087 TATTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGG 2131 2087 TATTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGG 2131 2087 TATTATTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGG 2131 Query Match 1.5%; Score 35.4; DB 1; Length 45; Best Local Similarity 86.7%; Pred. No. 4.5e+02; Matches 39; Conservative 0; Mismatches 6; Indels Query Match 1.5%; Score 35.4; DB 1; Length 45; Best Local Similarity 86.7%; Pred. No. 4.5e+02; Matches 39; Conservative 0; Mismatches 6; Indels Length 45; Human secreted protein encoding genomic DNA SEQ ID NO 1246. Query Match 1.5%; Score 35.4; DB 1; Length 45 Best Local Similarity 86.7%; Pred. No. 4.5e+02; Matches 39; Conservative 0; Mismatches 6; Indels Human secreted protein encoding genomic DNA SEQ ID NO 825. 45 TTTTTTTTTTTTGAGACGAGTCTCGCTCTGTCCCCCAGGCTGG 1 45 rrrrrrrrrraagacegaercrccrcrcrcccccaeecres 1 45 TITITITITITITICAGACGGAGICICGCICIGICCCCCAGGCIGG Human secreted protein DNA SEQ ID 639. BP. ВÞ. ABZ67302 standard; DNA; 45 BP. ADA4446 standard; DNA; 45 ABZ67723 standard; DNA; 45 20-NOV-2003 (first entry) 26-MAR-2003 (first entry) 26-MAR-2003 (first entry)

RESULT 291

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Gaps

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Human; drug metabolising enzyme; gene; drug metabolism; chromosome 2; polymorphic site; drug evaluation; drug screening; genotyping;
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C1 S subcomponent protein; C1S; alanyl aminopeptidase protein; ANPEP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; drug metabolising enzyme; gene; drug metabolism; chromosome polymorphic site; drug evaluation; drug screening; genotyping;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human sulphotransferase SULTIC1 gene polymorphic site, #6414.
            Human sulphotransferase SULTIC1 gene polymorphic site, #383.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
1.5%; Score 34.6; DB 1; Length 41;
Best Local Similarity 90.2%; Pred. No. 4.7e+02;
Matches 37; Conservative 0; Mismatches 4; Indels
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                                                                                                                                                                                                                          2307 CTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTG 2347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2307 CTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTG 2347
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                                                                                                                                                                                                                                                     41 CTCCTGACTTTGTGATCCACCCGCCTCGGCCTCCCAAAGTG 1
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                                                                                                                             Query Match
Best Local Similarity 90.2%; Pred. No. 4.7e+02;
Matches 37; Conservative 0; Mismatches 4
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ABZ49632/c
ID ABZ49632 standard; DNA; 41 BP.
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                            ABZ49632;
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ADL64133/c
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                                                                                                                                                                                                                      liver; virucide; fungicide; antibacterial; antiparasitic; hepatotropic; antiinflammatory; cytostatic; litholytic; antirheumatic; antiarthritic;
                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                               Length 45;
                                                                                                                                                                                                                                                                                          Query Match
1.5%; Score 35.4; DB 1; Length 4:
Best Local Similarity 86.7%; Pred. No. 4.5e+02;
Matches 39; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                     Human tumour suppressor factor 11.77 probe 2 SEQ ID NO:9.
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                                                                                                                                                                       Human liver-related genomic DNA - SEQ ID 517.
                                  BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAI76391 standard; DNA; 44 BP
ABA94092 standard; DNA; 41 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABA94092;
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RESULT 293

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ઠે 셤 ABZ43599/c ID ABZ43 XX AC ABZ43 XX DT 26-JT

RESULT 292

ઠે 셤 AAI76391 ID AAI7 XX XX AAI7 XX DT 09-N XX XX Huma XW Huma

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AAI76390 standard;
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                                                                                                       ABZ45793;
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ABZ48356
ID ABZ4835
XX
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     RESULT 301
                               ABZ45793
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; cytostatic; haemostatic; virucide; immunomodulator; haemopathy; antiinflammatory; homo autoimmune disease-associated protein 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; cytostatic; haemostatic; virucide; immunomodulator; haemopathy; antiinflammatory; homo autoimmune disease-associated protein 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
1.4%; Score 33.6; DB 1; Length 41;
Best Local Similarity 90.0%; Pred. No. 5.3e+02;
Matches 36; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.4%; Score 33.6; DB 1; Length 41;
Best Local Similarity 90.0%; Pred. No. 5.3e+02;
Matches 36; Conservative 0; Mismatches 4; Indels
  3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 34; DB 1; Length 42;
Pred. No. 5.1e+02;
0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2322 TCCGCCCACCTCCGCCTCCCAAAGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 TCCACCTGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGGGT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2278 TTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2278 TICACCGIGITAGCCAGGAIGGICTCGAICTCCTGACCTC 2317
                                                 2326 CCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATG 2364
                                                                        1 CCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTG 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
  Mismatches
                                                                                                                                                                                                                                                                                                                                                                          NTP peptide encoding sequence #5.
  ö
                                                                                                                                                                                                                      ACC84458 standard; DNA; 42 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAK99206 standard; DNA; 41 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAK99207 standard; DNA; 41 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.4%;
Best Local Similarity 88.1%;
Matches 37; Conservative C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-MAY-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                         28-AUG-2003 (first entry)
  Conservative
36;
                                                                                                                                                                                                                                                                          ACC84458;
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AAK99207/c
ID AAK9920
XX
AC AAK9920
XX
C AAK900
C
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AAK99206/c
Matches
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                                                                                                                                                            Human carbohydrate sulphotransferase CHST3 gene polymorphic site, #2577
                                                                                                                                                                                                                  Human; drug metabolising enzyme; gene; drug metabolism; chromosome 10; polymorphic site; drug evaluation; drug screening; genotyping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; drug metabolising enzyme; gene; drug metabolism; chromosome 12; polymorphic site; drug evaluation; drug screening; genotyping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; drug metabolising enzyme; gene; drug metabolism; chromosome 12; polymorphic site; drug evaluation; drug screening; genotyping;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human organic anion transporter OATP8 gene polymorphic site, #2976.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human organic anion transporter OATP8 gene polymorphic site, #5139
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                                                                                                                                                                                                                                                                                                     Length 41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 41;
                                                                                                                                                                                                                                                                                            Query Match 1.4%; Score 33.6; DB 1; Length 4 Best Local Similarity 90.0%; Pred. No. 5.3e+02; Matches 36; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                         2326 CCCACCTCGCCTCCCAAAGTGCTGGGATTACAGGCATGA 2365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2092 TITITITIGAGACCGAGICTIGCTCTGTTACCCAGGCTGG 2131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2092 TITITITIGAGACCGAGICTIGCICTGTIACCCAGGCTGG 2131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 TITITITIGAGATGAGAGTCTCGCTCTGTTGCCCCAGGCTGG 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 TITITITIGAGATGAGTCTCGCTCTGTTGCCCAGGCTGG 40
                                                                                                                                                                                                                                                                                                                                                                                                                                           40 CCCACCTTGGCCTCCCCAACTGCTGGGATTACAGGTATGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.4%; Score 33.6; DB 1;
Best Local Similarity 90.0%; Pred. No. 5.3e+02;
Matches 36; Conservative 0; Mismatches 4;
ABZ45793 standard; DNA; 41 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA; 44
                                                                                                         (first entry)
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AA176390
ID AA17635
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RESULT 305 AAQ27391

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Human; drug metabolising enzyme; gene; drug metabolism; chromosome 2; polymorphic site; drug evaluation; drug screening; genotyping;
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                                                                                                                                                                                                                                                                                                                                                   transplant rejection; immune system; rheumatoid arthritis; lupus;
inflammatory bowel disease; multiple sclerosis; HIV; AIDS; ss; pr
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                                                                                                                                                                                                                                                                                                                                                                                                              Length 33;
                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2252 TITIGIACTITIAGIAGACAGGGTTTCACCGTGTTAGCC 2292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           41 TTTTGTATTTTTAGTAGAGGGGGTTTCGCCATGTTGGCC 1
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Local Similarity 97.1%; Pred. No. 5.4e+02; tes 34; Conservative 0; Mismatches 1;
                                                        2107 AGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.4%; Score 33; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 33; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1559 GGAAGAAACCCAAGACAAAGAAGAGAGTGTGGA 1591
                                                                                        40 AGICTIGCICIGITGCCCAGGCTGGAGTGCAGTGG 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33 GGAAGAACCCAAGACAAAGAAGAGAGTGTGGA 1
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                                                                                                                                                                                             ADP12341 standard; DNA; 33 BP
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                                                                                                                                                                                                                                                                                                               Tagman probe set 2 #199.
                                                                                                                                                                                                                                  ADP12341;
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Best Loca
Matches
                                                                                                                                                       RESULT 308
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; proteolytic enzyme regulatory protein 11; cytostatic; virucidal;
immunomodulatory; antiinflammatory; haemostatic; cancer; haemopathy;
                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                  Human; single nucleotide polymorphism; SNP; genome; gene therapy; protein therapy; vaccine; probe; diagnostic assay; detection;
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                                                                                                                 Length 44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 33.4; DB 1; Length 35;
Pred. No. 5.1e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.4%; Score 33.4; DB 1; Length 41; Best Local Similarity 97.1%; Pred. No. 5.4e+02; Matches 34; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.4%; Score 33.4; DB 1; Length 41;
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                                                                                                                                                     4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human proteolytic enzyme regulatory protein 11, probe #1.
                                                                                                                                                                                     Polymerase chain reaction; PCR; repetitive element; ss
              Human silent SNP containing nucleic acid SEQ:3331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2335 GCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2107 AGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
                                                                                                             Query Match
1.4%; Score 33.6; DB 1;
Best Local Similarity 90.0%; Pred. No. 5.4e+02;
Matches 36; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCA 35
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                                                                                                                                                                                                                                                                                                                             AAQ27391 standard; DNA; 35 BP.
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Best Local Similarity 97.1%;
Matches 34; Conservative
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                        25-MAR-2003
27-JAN-1993
                                                                                                                                                                                                                                                                                                                                                                     AAQ27391;
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RESULT 307 AAS15950/c

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Human; tyrosinase 9; recombinant production; malignant tumour; cancer; blood disease; HIV infection; gene therapy; human immunodeficiency virus;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; inflammatory bowel disease; Crohn's disease; ulcerative colitis; single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Polypeptide-respiratory chain dehydrogenase-11.55; cancer; malignant tumour; haemopathy; human immunodeficiency virus infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polypeptide-respiratory chain dehydrogenase-11.55 specific probe, #1.
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                                                                                                                                                     Match 1.4%; Score 32.8; DB 1; Length 41; Local Similarity 94.4%; Pred. No. 5.7e+02; les 34; Conservative 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 1.4%; Score 32.6; DB 1; Length 40; Local Similarity 87.5%; Pred. No. 5.8e+02; Los 35; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.4%; Score 32.8; DB 1; Length 41; Best Local Similarity 94.4%; Pred. No. 5.7e+02; Matches 34; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2106 GAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
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                                                                                                                                                                                                                                                                            3 GAGTCTTACTCTGTCACCCAGGCTGGAGTGCAGTGG 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 GAGTCTTGCTCTGTTGCCCAGGCTGGACTGCAGTGG 38
                                          Human tyrosinase 9 probe, SEQ ID NO:9.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABL60966 standard; DNA; 41 BP.
                                                                                                                                                                                                                                                                                                                                                                                                        ADC59511 standard; DNA; 41 BP
19-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC59511;
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ADC59511
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AAH91207/c
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blood disease; HIV infection; gene therapy; human immunodeficiency virus;
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C1 S subcomponent protein; C1S; alanyl aminopeptidase protein; ANPEP,
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                                                                                                                                                                                                                                  Human; ds; ADAM19; Endophilin 1; Endophilin 2; NRG2; ADAMTS2; a disintegrin and metalloprotease; neuroregulin 2; SNP;
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                                                                                                                                                                                                                                                                                                        Query Match 1.4%; Score 33; DB 1; Length 41; Best Local Similarity 87.8%; Pred. No. 5.6e+02; Matches 36; Conservative 0; Mismatches 5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                    2327 CCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGC 2367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2298 GGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCT 2338
                                                                                                                                                                                                                                                                                                                                                                                                                                    41 CCGCCTTGCCCACCCAAAGTGCTGGGATTACAGGCGTGAGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human single nucleotide polymorphism (SNP) #203.
                                                                                                                                                                                               Human ADAM19 gene, sequence surrounding SNP 16.
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                                                          ADP75520 standard; DNA; 41 BP.
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                                                                                                                                                   (first entry)
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                                                                                                      ADP75520;
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ABA96570

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RESULT 312 ADL64280/c

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ABZ43574;
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ABX75157/c
ID ABX7515
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AC ABX7515
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ABZ43574/c
                                    RESULT 321
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                                    Gaps
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                                                                                                                                                                                                                                                                                                                  Human, 2-hydroxy acid dehydrogenase 16; cancer; haemopathy; HIV;
human immunodeficiency virus; infection; probe; ss.
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human immunodeficiency virus, infection, probe, 88.
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Query Match 1.4%; Score 32.6; DB 1; Length 41; Best Local Similarity 89.7%; Pred. No. 5.9e+02; Matches 35; Conservative 0; Mismatches 4; Indels
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                                                               2103 ACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
                                                                                                                                                                                                                                                                                 Human 2-hydroxy acid dehydrogenase 16 probe SEQ ID 9.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              38 CTCCTGACCTCCTGATCCNCCCACCTCCCCAAA 1
                                                                                    41 ACTGAGTCTTGCTCTGTCACCCCAGGCTTGAGTGTAGTGG
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AAH91831 standard; DNA; 38 BP.XX
AC AAH91831;
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AC AAH91831;
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DF 09-OCT-2001 (first entry)
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KW Human; inflammatory bowel disk
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KW single nucleotide polymorphis
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                                                                                                                                                                                                                                                          Human; Gene 216; chromosome 20p13-p12; antiasthmatic; anorectic; antiinflammatory; gastrointestinal; gene therapy; vaccine; asthma;
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                                                                                                                                                                                                                                                                                                                                                Query Match 1.3%; Score 32; DB 1; Length 41; Best Local Similarity 87.5%; Pred. No. 6.3e+02; Matches 35; Conservative 0; Mismatches 5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2315 CTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGAT 2354
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            40 CTGGTGATCCTCCTACCCCGGCTTCCCAAAGTGCTGGGAT 1
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                                                                                                                                                                                                       Gene 216 SNP reference sequence SEQ ID NO 276.
ABZ72304/c
ID ABZ72304 standard; DNA; 41 BP.
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Transcription regulation factor ZFM1 isomer 19.47 cDNA specific probe 1.
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                                                                                                                                                                                                                                                                                                                                                       Signalase 11.22; enzyme; tumour; haemopathy; HIV infection; immunological disease; inflammation; cytostatic; anti-HIV; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Transcription regulation factor ZFM1 isomer 19.47; human; ZFM1; transcription regulation factor; cytostatic; haemostatic; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Transcription regulation factor ZFM1 isomer 19.47; human; ZFM1; transcription regulation factor; cytostatic; haemostatic; virucide.
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                                                                                        2322 TCGGCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCA 2362
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                                                                                                            41 TCTTCCTGCCCGGCCTCCCAAAGTGCTGGGATTACAGGCA 1
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                    Query Match
1.3%; Score 31.4; DB 1;
Best Local Similarity 85.4%; Pred. No. 6.7e+02;
Matches 35; Conservative 0; Mismatches 6;
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1.3%; Score 31.4; DB 1;
Best Local Similarity 97.0%; Pred. No. 6.7e+02;
Matches 32; Conservative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2109 TCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
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                                                                                                                                                                                                                                                                                                                      Signalase 11.22 probe #1.
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                                                                                    Human; mouse; ds; gene 216; antiasthmatic; antiinflammatory; anorectic; chromosome 20p13-p12; single nucleotide polymorphism; SNP; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antiasthmatic; respiratory; gene therapy; asthma; bronchial hyperresponsiveness; atopy; chronic obstructive lung disease;
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                                                                                                                                     Query Match 1.3%; Score 32; DB 1; Length 41; Best Local Similarity 87.5%; Pred. No. 6.3e+02; Matches 35; Conservative 0; Mismatches 5; Indels
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Best Local Similarity 87.5%; Pred. No. 6.3e+02;
Matches 35; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                           2315 CTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGAT 2354
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Gene 216 single nucleotide polymorphism seq id 276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        asthma; bronchial hyperresponsiveness; obesity; inflammatory bowel disease; human; gene 216; ds;
                                                 Human gene 216 DNA sequence flanking SNP #43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gene 216 single nucleotide polymorphism #36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.3%; Score 32; DB Best Local Similarity 87.5%; Pred. No. 6.3e-Matches 35; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                   ADJ36885 standard; DNA; 41 BP
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                (first entry)
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                                                                                                                                                                                                                                                                                              RESULT 326
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Probe; 88; PC6 protease; 9.9; AIDS-associated protein; diabetes; AIDS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Polypeptide-respiratory chain dehydrogenase-11.55 specific probe, #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Phosphoenolpyruvate dependent saccharophosphotransferase 9.46; malignant tumour; haemopathy; HIV infection; immunological disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ser/Thr protein kinase 9.79; recombinant production; gene therapy;
                                                                                        PC6 protease 9-9 (AIDS-associated protein) nucleotide probe #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
1.3%; Score 31.2; DB 1; Length 41;
Best Local Similarity 91.7%; Pred. No. 6.8e+02;
Matches 33; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                     Query Match
1.3%; Score 31.2; DB 1; Length 41;
Best Local Similarity 91.7%; Pred. No. 6.8e+02;
Matches 33; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                          2106 GAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
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                                                                                                                                                                                                                                                                                                                    38 GAGTCTCGCTCTGTCACCCCAGGCTGGAGTGCGGTGG 3
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                                                                                                                                                                                                                                                                                                                                                                                                                          ADC59512 standard; DNA; 41 BP.
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ABZ57501/c
ID ABZ57501 standard; DNA; 41 BP.
                                            17-APR-2003 (first entry)
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    AAL51683;
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Matches
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ADC59512
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                                                                                                                                                                                                                                                                                               7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; drug metabolising enzyme; gene; drug metabolism; chromosome 7; polymorphic site; drug evaluation; drug screening; genotyping;
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                                                                                                                                                                                                                                                                                                                                                         Query Match 1.3%; Score 31.4; DB 1; Length 41; Best Local Similarity 85.4%; Pred. No. 6.7e+02; Matches 35; Conservative 0; Mismatches 6; Indels
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1.3%; Score 31.4; DB 1; Length 41;
Best Local Similarity 85.4%; Pred. No. 6.7e+02;
Matches 35; Conservative 0; Mismatches 6; Indels
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llarity 85.4%; Pred. No. 6.7e+02;
Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                 2092 TITITITIGAGACCGAGICTIGCTCTGTTACCCAGGCTGGA 2132
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41 TTCTCCTGCCTCAACCTCCCGAGTAGCTGGGACTACAGGCA 1
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ID AALS1683 standard; DNA; 41 BP.
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                                                                                                          ABZ47125 standard; DNA; 41 BP
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Best Local Similarity
.....hes 35; Conserva
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                                                                                                                                                      ABZ47125;
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Human; mPer3-10.01; vegetative nervous dysfunction; psychic disease; endocrinopathy; growth development disturbance disease; tumour; probe;
                                                                                                                                                                                                                                                                                                                          Human; mPer3-10.01; vegetative nervous dysfunction; psychic disease; endocrinopathy; growth development disturbance disease; tumour; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; cAMP dependent kinase regulation subunit 8.8; cyclic AMP; malignant tumour; inflammation; antagonist; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.3%; Score 31; DB 1; Length 41; Best Local Similarity 87.2%; Pred. No. 6.9e+02; Matches 34; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Match 1.3%; Score 31; DB 1; Length 41;
Local Similarity 87.2%; Pred. No. 6.9e+02;
nes 34; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.3%; Score 31; DB 1; Length 41;
Best Local Similarity 87.2%; Pred. No. 6.9e+02;
Matches 34; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CAMP dependent kinase regulation subunit 8.8 probe #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2274 GGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2274 GGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2331 CTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
  1 TATTTTAGTAGAGACGGGGTTTCACCATATTGGCCAGG 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GGGTTTCACCATGTTGGGCAGGCTGGTCTCGAACTCCTG 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 GGGTTTCACCATGTTGGGCAGGCTGGTCTCGAACTCCTG 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTCGGCCTCCCAAGATGTTAGGATTACAGGCATGAACCA 1
                                                                                                                                                                                                                                                                               Human mPer3-10.01 probe 1 SEQ ID NO:8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human mPer3-10.01 probe 2 SEQ ID NO:9.
                                                                                                                                       ABQ83633 standard; DNA; 41 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABQ83634 standard; DNA; 41 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABS55669 standard; DNA; 41 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABL60967 standard; DNA; 41
                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-DEC-2002 (first entry)
                                                                                                                                                                                                                                  26-JAN-2003
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                                                                                                                                                                                       ABQ83633;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 344
ABL60967/c
ID ABL609
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; drug metabolising enzyme; gene; drug metabolism; polymorphic site; drug evaluation; drug screening; genotyping; genetic profiling;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ss; standardized polynucleotide system; medical diagnosis; functional genomics; sample analysis;
                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; mdm-2; probe; reaction container; quantitation; diagnosis; food analysis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
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                                          Query Match 1.3%; Score 31.2; DB 1; Length 41; Best Local Similarity 91.7%; Pred. No. 6.8e+02; Matches 33; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        Standardized polynucleotide system polynucleotide #9 probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.3%; Score 31; DB 1; Length 31; Best Local Similarity 100.0%; Pred. No. 6.3e+02; Matches 31; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.3%; Score 31; DB 1; Length 40; Best Local Similarity 87.2%; Pred. No. 6.9e+02; Matches 34; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.3%; Score 31; DB 1; Length 33; Best Local Similarity 100.0%; Pred. No. 6.5e+02; Matches 31; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2257 TACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGG 2295
                                                                                                                                       2248 AATTITITIGIACTITITAGIAGAGACAGGGITICACC 2283
                                                                                                                                                               37 ACTITITIGIATITITAGIAGAGGGGTITCACC 2
tumour; cancer; diabetes; cytostatic; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1606 TTAATGCCATTGAACCTTGTGTGATTTGTCA 1636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1606 TTAATGCCATTGAACCTTGTGTGATTTGTCA 1636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 TTAATGCCATTGAACCTTGTGTGATTTGTCA 31
                                                                                                                                                                                                                                                                                                  ADK66044 standard; DNA; 31 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ89377 standard; DNA; 33 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABZ48532 standard; DNA; 40 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human mdm-2 probe mdm2probe.
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Pseudocyclic oligonucleotide; functional segment; protective segment; nucleic acid detection; mRNA cleavage; antisense therapy; PCO;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 rrrrrgrarrrrragragadadgegrrcca 32
                                                                                                                       649 AGGAATCATCGGACTCAGGTACATCTGTG 677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           649 AGGAATCATCGGACTCAGGTACATCTGTG 677
                                                                                                                                           29 AGGAATCATCGGACTCAGGTACATCTGTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29 AGGAATCATCGGACTCAGGTACATCTGTG 1
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                                                                                                                                                                                                                                                                                                                                                Human MDM2 mRNA hybridising probe.
                                                                                                                                                                                                                                            ABL60508 standard; DNA; 29 BP
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Best Local S
Matches 29
                                                                                                                                                                                                                                                                               ABL60508;
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                                                                                                                 Human; retinoblastoma bindin 13.31; RBBP9; retinoblastoma; cancer; probe;
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                                                                             Human retinoblastoma bindin (RBBP9) 13.31 cDNA specific probe 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    genetic analysis; complementary strand extension;
fluorophore-tagged DNA strand; DNA analysis; genetic testing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.3%; Score 30.8; DB 1; Length 36; Best Local Similarity 88.9%; Pred. No. 6.8e+02; Matches 32; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 33;
                                                                                                                                                                    Query Match
1.3%; Score 31; DB 1; Length 41;
Best Local Similarity 87.2%; Pred. No. 6.9e+02;
Matches 34; Conservative 0; Mismatches 5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Genetic anaylsis method associated target DNA seq id 11.
                                                                                                                                                                                                                                          2103 ACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG 2141
                                                                                                                                                                                                                                                                  41 ACTGAGTCTTGCTCTGTCACGCAGGCTTGAGTGTAGTGG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2305 ATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCC 2340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.3%; Score 29.8; DB 1; Best Local Similarity 93.9%; Pred. No. 7.4e+02; Matches 31; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   36 AACTCCTAACCTCGTGATCCRCCCACCTCAGCCTCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2331 CTCGGCCTCCCAAAGTGCTGGGATTACAGGCAT 2363
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human MDM2 hybridisation probe.
                                                                                                                                                                                                                                                                                                                                                                ADE24786 standard; DNA; 36 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                (first entry)
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                                              23-SEP-2002
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              ABL60967;
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ADE24786/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pseudo-cyclic oligonucleotide, PCO, gene expression, protein kinase A, nucleic acid detection, ribozyme inhibition, gene transcription, MDM2,
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                                                               Gaps
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1.2%; Score 28.8; DB 1; Length 32;
Best Local Similarity 93.8%; Pred. No. 8.1e+02;
Matches 30; Conservative 0; Mismatches 2; Indels
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Query Match
1.2%; Score 29; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 7.7e+02;
Matches 29; Conservative 0; Mismatches 0; Indels
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Local Similarity 100.0%; Pred. No. 7.7e+02;
Les 29; Conservative 0; Mismatches 0;
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Length 30;

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Human; optineurin; ds; ophthalmological; single nucleotide polymorphism; SNP; glaucoma; progressive ocular hypertensive disorder;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Optineurin promoter motif, repeat element or regulatory region #357.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Optineurin promoter motif, repeat element or regulatory region #138
                                                                                                                           Human rheumatoid arthritis associated DR3 gene related oligo #10.
                                                                                                                                                                  Human; DR3; rheumatoid arthritis; antirheumatic; antiarthritic; gene therapy; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.2%; Score 28.4; DB 1; Length 32; Best Local Similarity 96.7%; Pred. No. 8.5e+02; Matches 29; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                            1; Indels
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1.2%; Score 28.4; DB 1;
Best Local Similarity 96.7%; Pred. No. 8.3e+02;
Matches 29; Conservative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2343 AAGTGCTGGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                   2295 GATGGTCTCGATCTCCTGACCTCGTGATCC 2324
                                                                                                                                                                                                                                                                                                                                           30 GATGGTCTTGATCTCCTGACCTCGTGATCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                32 AAGTGCTGGGATTACAGGCGTGAGCCACCG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32 AAGTGCTGGGATTACAGGCGTGAGCCACCG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human MDM2 gene target oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP.
    AAL47197 standard; DNA; 30 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADE14248 standard; DNA; 32 BP.
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                                                                                    (first entry)
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                                                                                  22-AUG-2002
                                             AAL47197;
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AAA97658
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    BXHXHXB
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                                                                                                                                                                                                                                                                                                               Human; liver antigen; liver disorder; hepatic disorder; infection;
hepatitis; viral; parasitic; bacterial; fungal; inflammatory condition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              liver; virucide, fungicide; antibacterial; antiparasitic; hepatotropic; antiinflammatory; cytostatic; litholytic; antirheumatic; antiarthritic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; DR3; rheumatoid arthritis, antirheumatic, antiarthritic; gené therapy; PCR; primer; ss.
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2250 TITITIGIACITITIAGIAGAGACAGGGTTTCA 2281
                                                                                                                                                                                                                                                                                                                                                                                                                                                            2250 TTTTTTGTACTTTTAGTAGAGACAGGGTTTCA 2281
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                     TITITITETATITITAGIAGAGACAGGGITCCA 32
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                                                                                                                                            ABN90430 standard; DNA; 32 BP
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                                                                                                                                                                                   ABN90430;
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           Pseudocyclic oligonucleotide; functional segment; protective segment; nucleic acid detection; mRNA cleavage; antisense therapy; PCO;
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                                               Query Match
1.2%; Score 28; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 28; Conservative 0; Mismatches 0; Indels
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1.2%; Score 28; DB 1; Length 28
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 28; Conservative 0; Mismatches 0; Indels
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1.2%; Score 28; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 28; Conservative 0; Mismatches 0; Indels
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                                                                                                   671 ATCTGTGAGTGAGAACAGGTGTCACCTT 698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  920 GGAGATATGTTGTGAAAGAAGCAGTAGC 947
                                                                                                                 1 ATCTGTGAGAGAACAGGTGTCACCTT 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28 CCTTAGCTGACTATTGGAAATGCACTTC 1
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                                                                                                                                                                                                                                           (first entry)
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ABK65940/c
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ABK65939
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AC ABL6
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Human; breast antigen; ovarian antigen; cancer; metastasis; gene therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                         transplant rejection; immune system; rheumatoid arthritis; lupus; inflammatory bowel disease; multiple sclerosis; HIV; AIDS; ss; probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.2%; Score 27.8; DB 1; Length 33; Best Local Similarity 93.5%; Pred. No. 9.1e+02; Matches 29; Conservative 0; Mismatches 2; Indels
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1.2%; Score 27.8; DB 1; Length 33;
Best Local Similarity 93.5%; Pred. No. 9.1e+02;
Matches 29; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
1.2%; Score 28; DB 1; Length 28;
Best Local Similarity 100.0%; Pred. No. 8.5e+02;
Matches 28; Conservative 0; Mismatches 0; Indels
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AA162688/c
ID AA162688 standard; DNA; 33 BP.
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AC AA162688;
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DT 19-OCT-2001 (first entry)
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DE Human breast or ovarian antigen (XX
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Human; breast antigen; ovarian an KW
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RESULT 368
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                                                                                       Human; inflammatory bowel disease; Crohn's disease; ulcerative colitis; single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                     Human inflammatory bowel disease associated polymorphic site #612.
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                                                                                                                                                                                                                                                                                                                                                    Score 27.4; DB 1; Length 31;
Pred. No. 9.38+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.2%; Score 27.4; DB 1; Length 32; Best Local Similarity 96.6%; Pred. No. 9.4e+02; Matches 28; Conservative 0; Mismatches 1; Indels
                                                                                                                       Query Match 1.2%; Score 27.6; DB 1; Length 35; Best Local Similarity 85.7%; Pred. No. 9.4e+02; Matches 30; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Polymerase chain reaction; PCR; repetitive element; ss.
                                                                                                                                                                                                                                                                                                                                    Enhancer element; carcinoma; tumor; cancer; SLPI gene;
                                                                                                                                                                                                                                                                                                                Enhancer element er-4 conserved basepair seguence.
                                                                                                                                                                 2233 CCACCACACTGCCTAATTTTTTGTACTTTTAGTA 2267
                                                                                                                                                                                   ccacaaceccneecraarrrrrrrrrrrgera 1
                                                                                                                                                                                                                                                                                                                                                                                               2331 CTCGGCCTCCCAAAGTGCTGGGATTACAGGC 2361
                                                                                                                                                                                                                                                                                                                                                                                                           2332 TCGCCTCCCAAAGTGCTGGGATTACAGG 2360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Inter-Alu specific primer PDJ33A.
        AAH91537 standard; DNA; 35 BP.
                                                                                                                                                                                                                                         AAQ73572 standard; DNA; 31 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ27389 standard; DNA; 32 BP.
                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 90.3%;
Matches 28; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAA04371 standard; DNA; 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (revised)
(first entry)
                                                09-OCT-2001 (first entry)
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(first entry)
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27-JAN-1993
                                                                                                                                                                                                                                                                                 25-MAR-2003
25-JUN-1995
                             AAH91537;
                                                                                                                                                                                                                                                             AAQ73572;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAQ27389;
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                                                                                                                                                                                                                     RESULT 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 367
AAH91537/c
                                                                                                                                                                                                                                AAQ73572
                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAQ27389
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ID AAA
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                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                         Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Optineurin promoter motif, repeat element or regulatory region #315.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polymorphism, hypertension, agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                 ö
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Polymorphic fragment of hypertension associated gene HSTSCGENE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Polymorphic fragment of hypertension associated gene APOC4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polymorphic fragment of hypertension associated gene GLUT4.
                                                                                                                                                 Query Match 1.1%; Score 27; DB 1; Length 29; Best Local Similarity 93.1%; Pred. No. 9.5e+02; Matches 27; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match 1.1%; Score 27; DB 1; Length 29; Best Local Similarity 93.1%; Pred. No. 9.5e+02; Matches 27; Conservative 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2339 CCCAAAGTGCTGGGATTACAGGCATGAGC 2367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2332 TCGCCCTCCCAAAGTGCTGGGATTACAGG 2360
                                                                                                                                                                                                                                                                                                         1 CCCAAAGTGCTGGGRTTACAGGCCTGAGC 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 TTGGCCTCCCAAAGYGCTGGGATTACAGG 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAA04313 standard; DNA; 29 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADE14206 standard; DNA; 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-MAY-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAA03996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAA04313;
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Anthozoa; Chromoprotein; fluorescent protein; sunscreen; biosensor; analyte detection assay; selectable marker; recombinant DNA application;
                                                                                                                                                                  Human marathon cDNA library (Burke's lymphoma) amplifying PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
                                                                                                                                                                                                                                                                  Length 26;
                                                                                                                                                                                                                                                                  Query Match

1.1%; Score 26; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 26; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Reverse PCR primer used to amplify human mdm2 mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.1%; Score 26; DB 1;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 26; Conservative 0; Mismatches C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              415 TGAAGTTATTAAAGTCTGTTGGTGCA 440
                                                                                                                                                                                                                                                                                                                                                 312 ATGTGCAATACCAACATGTCTGTACC 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       415 TGAAGTTATTAAAGTCTGTTGGTGCA 440
                                                                                                                                                                                                                                                                                                                                                                      1 ATGTGCAATACCAACATGTCTGTACC 26
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                                           AAD03619 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF80894 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAS29509 standard; DNA; 26 BP
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                                                                                                                          19-JUN-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human mdm2 reverse primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-AUG-2002 (first entry)
                                                                                     AAD03619;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF80894;
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ABL60506
ID ABL6050
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AC ABL6050
XX
DT 12-AUG-
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AAF80894/c
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                      AADO3619
ID AAD(
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XX AAD(
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                                                                                                                                                                                                                                                                                                                                             Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer;
antisense; modulation; oligonucleotide; expression; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pseudocyclic oligonucleotide, functional segment, protective segment, nucleic acid detection, mRNA cleavage, antisense therapy, PCO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gapa
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        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.1%; Score 26; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 1e+03; Matches 26; Conservative 0; Mismatches 0; Indels
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      2; Indels
                                                                                                                                                                                                                                                                                                     Human mdm2 real-time reverse PCR primer #270.
                                       2343 AAGTGCTGGGATTACAGGCATGAGCCACCG 2372
    0; Mismatches
                                                                  415 TGAAGTTATTAAAGTCTGTTGGTGCA 440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26 TGAAGTTATTAAAGTCTGTTGGTGCA 1
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                                                                                                                                                                               AAZ37740 standard; DNA; 26 BP
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                                                                                                                                                                                                                                                              07-JAN-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human mdm2 PCR primer #1.
Matches 28; Conservative
                                                                                                                                                                                                                        AAZ37740;
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AAA50349
XX
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AC AAA5094
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KW Fluores
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Best Local Similarity 93.1%; Pred. No. 1.1e+03; Matches 27; Conservative 0; Mismatches 2
                                                  312 ATGTGCAATACCAACATGTCTGTACCTAC 340
                                                                       1 ATGTGCAATACCAACATGTCTGTCTAC 29
                                                                                                                                                                    BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAA04312 standard; DNA; 29 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA03995 standard; DNA; 29 BP.
                                                                                                                                                                  AAA03956 standard; DNA; 29
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                                                                                                                                                                                                   AAA03956;
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AAA04312
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AAA03995
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Matches
                                                                                                                                    RESULT 381
                                                                                                                                                    AAA03956
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; detection; cancer; ARF-p19 protein; cell cycle regulator; tumour; cell cycle arrest; cell growth; hyperproliferative signal; therapeutic;
                                             Pseudo-cyclic oligonuclectide; PCO; gene expression; protein kinase A; nucleic acid detection; ribozyme inhibition; gene transcription; MDM2;
                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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                                                                                                                                                                                                                                                                                                                                                                                                                   antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polymorphic fragment of hypertension associated gene GLUT4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.1%; Score 25.8; DB 1; Length 30;
                                                                                            Query Match
1.1%; Score 26; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 26; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.1%; Score 26; DB 1; Length 26; Best Local Similarity 100.0%; Pred. No. 1e+03; Matches 26; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.1%; Score 26; DB 1; Length 29; Best Local Similarity 92.9%; Pred. No. 1.1e+03; Matches 26; Conservative 1; Mismatches 1; Indels
             Human MDM2 mRNA amplifying RT-PCR forward primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2345 GIGCIGGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GTGCTGGGATTACARGCGTGAGCCACCG 28
                                                                                                                                                               622 ACAGGAACTIGGIAGIAGICAAICAG 647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        415 TGAAGTTATTAAAGTCTGTTGGTGCA 440
                                                                                                                                                                                    1 ACAGGAACTTGGTAGTAGTCAATCAG 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26 TGAAGTTATTAAAGTCTGTTGGTGCA 1
                                                                                                                                                                                                                                                                                                                                                                                  Human mdm2-specific PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hdm2 cDNA amplifying PCR primer.
                                                                                                                                                                                                                                                                              ADD21705 standard; DNA; 26 BP
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                                                                                                                                                                                                                                                                                                                                                   15-JAN-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                 ADD21705;
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XX
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AC ADD2171
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DT 15-JAN
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XX anti8e:
XX anti8e:
XW hyperp
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ID AAA0
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                                                   Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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                                                                                                                                        Query Match
1.1%; Score 25.4; DB 1; Length 29;
Best Local Similarity 89.7%; Pred. No. 1.1e+03;
Matches 26; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polymorphic fragment of hypertension associated gene GLUT4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.1%; Score 25.4; DB 1; Length 29; Best Local Similarity 89.7%; Pred. No. 1.1e+03; Matches 26; Conservative 1; Mismatches 2; Indels
Polymorphic fragment of hypertension associated gene APOC1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polymorphic fragment of hypertension associated gene APOC4.
                                                                                                                                                                                                                                                                  2254 TTGTACTTTTAGTAGAGACAGGGTTTCAC 2282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2275 GGTTTCACCGTGTTAGCCAGGATGGTCTC 2303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2326 CCCACCTCGCCTCCCAAAGTGCTGGGAT 2354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                                                                             1 TTGTATTTTCAGTAKAGACAGGGTTTCAC 29
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Gaps

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RESULT 384

AAA04505

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Human; transfer down-regulation protein 9.79; primer; ss; tumour; cancer; DNA recombination; PCR.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
                                               Human transfer down-regulation protein 9.79 cDNA PCR primer #2
                                                                                                                                                                     Query Match 1.1%; Score 25.2; DB 1; Length 33; Best Local Similarity 90.0%; Pred. No. 1.2e+03; Matches 27; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.1%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.1e+03; Matches 25; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.1%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.1e+03; Matches 25; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                    2342 AAAGIGCIGGGATIACAGGCAIGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human mdm2 real-time reverse PCR probe #271.
                                                                                                                                                                                                                                                                                                  33 AAAGTGCTGGGATTACAGGCATGAGGATCC 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        355 CCACCTCACAGATTCCAGCTTCGGA 379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       355 CCACCTCACAGATTCCAGCTTCGGA 379
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human mdm2 amplification probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF80895 standard; DNA; 25 BP
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ID AAH38447 standard; DNA; 25
30-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-MAY-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                          Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.1%; Score 25.2; DB 1; Length 32; Best Local Similarity 87.1%; Pred. No. 1.2e+03; Matches 27; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.1%; Score 25.2; DB 1; Length 33; Best Local Similarity 90.0%; Pred. No. 1.2e+03; Matches 27; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                               Polymorphic fragment of hypertension associated gene PGIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Enhancer element; carcinoma; tumor; cancer; SLPI gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enhancer element er-3 conserved basepair sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2342 AAAGTGCTGGGATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 TTTTGTATTTTTAGTAGAGGTGGGGTNTCA 32
                                                                                                                                                                                                                                                                                                                                                                                                                               2319 TGATCCGCCCACCTCGGCCTCCCAAAGTG 2347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 TGATCTGCCCGCTYGGCCTCCCAAAGTG 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human signal peptidase 9 PCR primer 4.
                                                                   AAA04505 standard; DNA; 29 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ73570 standard; DNA; 32 BP.
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(first entry)
                                                                                                                                                                22-MAY-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-NOV-2001 (first entry)
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25-JUN-1995
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                                                                                                                   AAA04505;
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RESULT 385

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RESULT 386 AAH79009/c

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RESULT 387
ABK50423/c
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Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cytostatic; immunostimulant, gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                           Query Match
1.1%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 25; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.1%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.1e+03; Matches 25; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                   Human MDZ7 scanning oligonucleotide SEQ ID 5752.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human MDZ7 scanning oligonucleotide SEQ ID 5758.
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                                                                                                                                                                                                                                                                                                                                                  2274 GGGTTTCACCGTGTTAGCCAGGATG 2298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2280 CACCGTGTTAGCCAGGATGGTCTCG 2304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2289 AGCCAGGATGGTCTCGATCTCCTGA 2313
                                                                                                                                                                                                                                                                                                                                                                              1 GGGTTTCACCGTGTTAGCCAGGATG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CACCGTGTTAGCCAGGATGGTCTCG 25
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                                                                            ADB04766 standard; DNA; 25 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADB04772 standard; DNA; 25 BP.
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                                                                                                                                               20-NOV-2003 (first entry)
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                                                                                                            ADB04766;
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ADB04770
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latent HIV detection; LTR; long terminal repeat;
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Query Match 1.1%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.1e+03; Matches 25; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.1e+03;
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                                                                                                                                                                                                                                                                                                           Fluorescent labelled human mdm2 probe.
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                                                                       Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                           Human MDZ7 scanning oligonucleotide SEQ ID 5756.
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     Length 25;
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Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 25; Conservative 0; Mismatches 0; Indels
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. 1.1e+03;
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Query Match
1.1%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 1.1
Matches 25; Conservative 0; Mismatches
                                                                                                           2288 TAGCCAGGATGGTCTCGATCTCCTG 2312
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Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ1; MDZ12; chromosome 7q22.1;
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1.1%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 25; Conservative 0; Mismatches 0; Indels
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                                                                                 Human MDZ7 scanning oligonucleotide SEQ ID 5754.
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                                                                                                                                                                                                                                                                 Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytostatic; immunostimulant, gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                                                                                                                                                                                                        Human MDZ7 scanning oligonucleotide SEQ ID 5765.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human MDZ7 scanning oligonucleotide SEQ ID 5768.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human MDZ7 scanning oligonucleotide SEQ ID 5764.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2286 GTTAGCCAGGATGGTCTCGATCTCC 2310
                                                                                                                                                                                                                                                                                                                                                                                                              2287 TTAGCCAGGATGGTCTCGATCTCCT 2311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2290 GCCAGGATGGTCTCGATCTCCTGAC 2314
                                                                                                                                                                                                                                                                                                                                                                                                                                      1 TTAGCCAGGATGGTCTCGATCTCCT 25
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1 GTGTTAGCCAGGATGGTCTCGATCT 25
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                                                                                                ADB04779 standard; DNA; 25 BP
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                                                                                                                                                                               20-NOV-2003 (first entry)
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ADB04778
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P2; CX5C chemokine; Chromosome 5q31; gene therapy; asthma; PCR primer; allegic rhinitis; urticaria; anaphylactic shock; hives; hay fever; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                          Reverse primer IL10 for target sequence human interleukin 10.
                                                                                                                                                                                                                                                                                                                                                               1.0%; Score 24.8; DB 1; Length 28; 92.9%; Pred. No. 1.2e+03; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 1.0%; Score 24.6; DB 1; Length 31; Local Similarity 87.1%; Pred. No. 1.2e+03; es 27; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2111 TIGCTCTGTTACCCAGGCTGGAGTGCAG 2138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SNP specific lower PCR primer SEQ ID 2382.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 TTGCTCTGTCACCCAGGCTGGAGTACAG 28
    33 AAAGTGCTGGGATTACAGGCATGAG 9
                                                                                                                                 AAA27185 standard; DNA; 28 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAH39586 standard; DNA; 31 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAH91712 standard; DNA; 32 BP
                                                                                                                                                                                                                 11-SEP-2000 (first entry)
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Matches 26; Conservative
                                                                                                                                                                        AAA27185;
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Matches
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AAH39586/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; tumour suppressor factor 11.77; cytostatic; haemostatic; vii
immunomodulatory; antiinflammatory; gene therapy; malignant tumour;
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                                                                                                                                                                                                                                                                                                                                                                                               Polymorphic fragment of hypertension associated gene PGIS.
hyperproliferative disorder; cancer; psoriasis; fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.1%; Score 25; DB 1; Length 33; Best Local Similarity 100.0%; Pred. No. 1.2e+03; Matches 25; Conservative 0; Mismatches 0; Indels
                                        Query Match
1.1%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.18+03;
Matches 25; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.1%; Score 25; DB 1; Length 29;
Best Local Similarity 92.6%; Pred. No. 1.2e+03;
Matches 25; Conservative 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 GGATTTCACCGTRTTAGCCAGGATGGT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2340 CCAAAGTGCTGGGATTACAGGCATG 2364
                                                                                                                             355 CCACCTCACAGATTCCAGCTTCGGA 379
                                                                                                                                                         1 CCACCTCACAGATTCCAGCTTCGGA 25
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                                                                                                                                                                                                                                                                         AAA04503 standard; DNA; 29 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABA94089 standard; DNA; 33 BP.
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                                                                                                                                                                                                                                                                                                                  AAA04503;
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                                                    Human, inflammatory bowel disease, Crohn's disease, ulcerative colitis, single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
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Human inflammatory bowel disease associated polymorphic site #787.
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                                                                                                                                                   Query Match
1.0%; Score 24.6; DB 1; Length 32;
Best Local Similarity 84.4%; Pred. No. 1.2e+03;
Matches 27; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                               2300 TCTCGATCTCCTGACCTCGTGATCCGCCCACC 2331
                                                                                                                                                                                                                                                                                                                   32 TCTGGATCTCTTGACCTCNTGATCCGCCTGCC 1
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ID AAH40071 standard; DNA; 27 BP.
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2342 AAAGTGCTGGGATTACAGGCATGAG 2366

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Human; 88; PCR; primer; MDM2; cancer; tumour; cytostatic; p19(ARF); p53; Rb; oncoprotein; oncogenic transformation; proteosomal degradation.
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   Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                             88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human inflammatory bowel disease associated polymorphic site #638.
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1.0%; Score 24.2; DB 1; Length 30;
Best Local Similarity 86.7%; Pred. No. 1.3e+03;
Matches 26; Conservative 0; Mismatches 4; Indels
                                                        Query Match 1.0%; Score 24.4; DB 1; Length 29; Best Local Similarity 89.3%; Pred. No. 1.2e+03; Matches 25; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                    Alu family consensus sequence-derived probe #1.
                                                                                                                                   2343 AAGTGCTGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        964 CGCCATCGATCCGGATCTTGATGCTGGT 992
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                                                                                                                                                        1 AAGTGCTAGGATTAYAGGCGTGAGCCAC 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2346 TGCTGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25 IGCTGGGATTACAGGYRTGAGCCAC 1
                                                                                                                                                                                                                                                                    BP.
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                                                                                                                                                                                                                                                                                                                                           25-MAR-2003 (revised)
23-FEB-1993 (first entry)
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AAQ29012/c
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ID ACA6
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                                                                                                                               Single nucleotide polymorphism, SNP; single nucleotide primer extension, SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                                      Query Match 1.0%; Score 24.4; DB 1; Length 27; Best Local Similarity 92.6%; Pred. No. 1.2e+03; Matches 25; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.0%; Score 24.4; DB 1; Length 29; Best Local Similarity 89.3%; Pred. No. 1.2e+03; Matches 25; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polymorphic fragment of hypertension associated gene PGIS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2274 GGGTTTCACCGTGTTAGCCAGGATGGTC 2301
                                                                                                                                                                                                                                                                2304 GATCTCCTGACCTCGTGATCCGCCCAC 2330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 GGATTTCACCGTAYTAGCCAGGATGGTC 29
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                                                                                          SNP specific SNPE primer SEQ ID 2867.
                                                                                                                                                                                                                                                                                                                                                                                                  AAA04504 standard; DNA; 29 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAA04498 standard; DNA; 29 BP
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                                                      14-AUG-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-MAY-2000 (first entry)
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                   AAH40071;
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Human; transglutaminase 12; cytostatic; virucidal; immunomodulatory; antiinflammatory; haemostatic; gene therapy; malignant tumour;
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                                                                                                                                 Telomere size determination method related oligonucleotide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Telomere size determination method related oligonucleotide #1.
                                                                                                                                                                         Telomere size determination, chromosomal DNA; probe, primer, repetitive sequence, tissue aging; cancer progression; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Telomere size determination; chromosomal DNA; probe; primer, repetitive sequence; tissue aging; cancer progression; ds.
                                                                                                                                                                                                                                             Match 1.0%; Score 24; DB 1; Length 24; Local Similarity 100.0%; Pred. No. 1.2e+03; les 24; Conservative 0; Mismatches 0; Indels
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1.0%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 24; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human transglutaminase 12 PCR primer #1.
                                                                                                                                                                                                                                                                                                                                 2335 GCCTCCCAAAGTGCTGGGATTACA 2358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2335 GCCTCCCAAAGTGCTGGGATTACA 2358
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH45828 standard; DNA; 24 BP
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                                                                                        11-SEP-2001 (first entry)
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                                             AAH45830;
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Matches
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                                                                                                                                                                                                                                                                                                                          Human; detection, cancer; ARF-p19 protein, cell cycle regulator; tumour; cell cycle arrest; cell growth; hyperproliferative signal; therapeutic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; mdm-2; PCR primer; reaction container; quantitation; diagnosis;
food analysis; ss.
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                                                                                                                                                                                                                                                                                    Primer #4 used to construct Hdm2 mutant plasmid.
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2090 TATTTTTTGAGACCGAGTCTTGCTCTGT 2119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTCAGCCTCCCAANTAGCTGGGANTACAGGC 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30 TTTTTTTTTGAGACGGAGTCTCGCTCTGT 1
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                                                                                                                                                     AAD42698 standard; DNA; 30 BP.
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(first entry)
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                                                                                                                                                                                                                                           (first entry)
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25-JUN-1995
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          ss; standardized polynucleotide system; medical diagnosis; functional genomics; sample analysis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                             Query Match 1.0%; Score 24; DB 1; Length 24; Best Local Similarity 100.0%; Pred. No. 1.2e+03; Matches 24; Conservative 0; Mismatches 0; Indels
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                                                                                           1581 GAGAGTGTGGAATCTAGTTTGCCC 1604
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                                                                                                        1 GAGAGTGTGGAATCTAGTTTGCCC 24
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                                                                                                                                                                                AAQ25353 standard; DNA; 25
                                                                                                                                                                                                                              21-NOV-1992 (first entry)
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Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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1.0%; Score 23.8; DB 1; Length 29;
Best Local Similarity 86.2%; Pred. No. 1.3e+03;
Matches 25; Conservative 1; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                  Polymorphic fragment of hypertension associated gene PGIS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.0%; Score 24; DB 1; Length 29; Best Local Similarity 92.3%; Pred. No. 1.3e+03; Matches 24; Conservative 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2098 TIGAGACCGAGICTIGCTCTGTTACCCAG 2126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2303 CGATCTCCTGACCTCGTGATCCGCCCACC 2331
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTGGGATTACAGGYGTGAGCCACCG 26
2291 CCAGGATGGTCTCGATCTCCTGAC 2314
                               1 CCAGGATGGTCTCGATCTCTGAC 24
                                                                                                                                                                                                               AAA04506 standard; DNA; 29 BP.
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Gaps

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Promoter; human; protease; MDTS9; chronic kidney failure; nephrotropic;
gene; ds.
                                                      Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                      Query Match
1.0%; Score 23.8; DB 1; Length 29;
Best Local Similarity 86.2%; Pred. No. 1.3e+03;
Matches 25; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 30;
           Polymorphic fragment of hypertension associated gene GLUT4.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.0%; Score 23.6; DB 1; Length 30; Best Local Similarity 86.7%; Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Yeast artificial chromosome; YAC; pPD39; transformation-associated recombination; PCR; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR; primer; amplification; Alu repeat sequence; vector; circular yeast artificial chromosome; YAC; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 86.7%; Pred. No. 1.4e+03;
Matches 26; Conservative 0; Mismatches 4;
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1.0%; Score 23.6; DB 1;
Best Local Similarity 86.7%; Pred. No. 1.4e+03;
Matches 26; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer used to amplify an 82 bp Alu probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2097 TITGAGACCGAGICTIGCTCTGTTACCCAG 2126
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                                                                                                                                                                                                                2303 CGATCTCCTGACCTCGTGATCCGCCCACC 2331
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                                                                                                                                                                                                                                       1 CGATCTCCTGACCTYGTGATCTGCCTGCC 29
                                                                                                                                                                                                                                                                                                                                                                            AAV19047 standard; DNA; 30 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABL59103 standard; DNA; 30 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACC85703 standard; DNA; 30 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-JUL-1998 (first entry)
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ACC85703
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                                                                                                                                                                                                           Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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                                                                                                                                                                Polymorphic fragment of hypertension associated gene PGIS.
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                                                                                                                                                                                                                                                                                                                                                                       2267 AGAGACAGGGTTTCACCGTGTTAGCCAGG 2295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2110 CTTGCTCTGTTACCCAGGCTGGAGTGCAG 2138
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                                                                                                                                                                                                                                                                                                                                                                                                 29 AGAGACGGGGTTTCRCCATGTTGGCCAGG 1
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Human; 88; NOVX; cancer; diabetes; cardiomyopathy; atherosclerosis; PCR; primer; exon linking.
                                                                                                                                                                 Human; cancer; neoplastic disease; tumour specific marker; cytostatic; transcription factor; PCR; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              human; PCR; primer; 88; exon linking; NOVX; cardiomyopathy; atherosclerosis; cancer; diabetes; inflammation; autoimmune disorder;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.0%; Score 23.4; DB 1; Length 25; Best Local Similarity 96.0%; Pred. No. 1.3e+03; Matches 24; Conservative 0; Mismatches 1; Indels
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1.0%; Score 23.4; DB 1;
Best Local Similarity 96.0%; Pred. No. 1.3e+03;
Matches 24; Conservative 0; Mismatches 1;
                                                                                                                                 Human Med-6 gene PCR primer SEQ ID NO: 179.
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                                                                                                                                                                                                                                                                                 2341 CAAAGTGCTGGGATTACAGGCATGA 2365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2295 GATGGTCTCGATCTCCTGACCTCGT 2319
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                                                                                                                                                                                                                                                                                                    1 CAAAGTGCTGGGATTACAGGCGTGA 25
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                                   BP.
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                                   ABT03658 standard; DNA; 25
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                                                                                                13-SEP-2002 (first entry)
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                                                                  ABT03658;
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AAH40327
ID AAH4032
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DT 14-AUG-
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ADN42474
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   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; single-nucleotide polymorphism; SNP; SNAP23; ss; PCR primer; synaptosome associated protein of 23 kilodaltons; diabetes; obesity;
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1.0%; Score 23.4; DB 1; Length 25;
Best Local Similarity 96.0%; Pred. No. 1.3e+03;
Matches 24; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 23.4; DB 1; Length 25; 96.0%; Pred. No. 1.3e+03; ative 0; Mismatches 1; Indels
   4; Indels
                                2097 TITGAGACCGAGICITGCICIGITACCCAG 2126
 0; Mismatches
                                                   1 TTTGAGACGAGTCTCGCTCTGTCGCCCAG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human SNAP23 SNP region #2 PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                              2343 AAGTGCTGGGATTACAGGCATGAGC 2367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2336 CCTCCCAAAGTGCTGGGATTACAGG 2360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2336 CCTCCCAAAGTGCTGGGATTACAGG 2360
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                                                                                                                                                                                                                                              SNP specific SNPE primer SEQ ID 3595.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAS14584 standard; DNA; 25 BP.
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                                                                                                                                              AAH40799 standard; DNA; 25
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                                                                                                                                                                                                             14-AUG-2001 (first entry)
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26; Conservative
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Matches
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AAS14584
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AC AAS1
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AC AAS1
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89.3%; Pred. No. 1.4e+03; tive 0; Mismatches 3
                                              2249 ATTTTTGTACTTTTAGTAGAGACAGGG 2276
                                                              3 AATTTTTGTATTTTTAGTAGAGACGGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCR primer #2 for human mdm2 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAF77571 standard; DNA; 23 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADG72450 standard; DNA; 23 BP
                                                                                                                                                                                                                                     Human mdm2 RNA PCR primer #2.
                                                                                                                                                                                                       29-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-MAR-2004 (first entry)
Best Local Similarity 89.33 Matches 25; Conservative
                                                                                                                                                                          AAF77571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADG72450;
                                                                                                                 RESULT 454
AAF77571/C
                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 455
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                                         Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eating disorder; polymorphism; dataset; allele; HGBASE identification; serotonin receptor 1D; delta-opioid receptor; dopamine receptor D2;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                              Human; delta opioid receptor; OPRD1-7; ss; PCR; probe; SNP; single nucleotide polymorphism; eating disorder; anorexia nervosa;
                                                                                                                                                                                                                                                                                                                                   Human delta opioid receptor OPRD1-7 SNP genotyping PCR probe #2
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                                                                                   Query Match 1.0%; Score 23.4; DB 1; Length 27; Best Local Similarity 88.9%; Pred. No. 1.4e+03; Matches 24; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.0%; Score 23.2; DB 1; Length 29; Best Local Similarity 89.3%; Pred. No. 1.4e+03; Matches 25; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.0%; Score 23.2; DB 1; Length 29; Best Local Similarity 89.3%; Pred. No. 1.4e+03; Matches 25; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2249 ATTITITIGIACTITIAGIAGAGACAGGG 2276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2249 ATTITTGTACTITTAGTAGAGACAGGG 2276
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                                                                                                                                              2302 TCGATCTCCTGACCTCGTGATCCGCCC 2328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28 AATTTTTGTACTTTTAGTAAGATAGGG 1
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                                                                                                                                                              1 TCGNTCTCCTGACCTCGTGNTCCGTCC 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Opioid receptor D1 probe SEQ ID No 78.
              SNP specific SNPE primer SEQ ID 3123.
                                                                                                                                                                                                                                              ABX15004 standard; DNA; 29 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABT34292 standard; DNA; 29 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAH40734 standard; DNA; 30 BP
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                                                                                                                                                                                                                                                                          ABX15004;
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ABX15004/c
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AAH40734
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tumour, synergistic combination therapy, tumour cell, p21waft1/cip1,
diterpenoid triepoxide, vinca alkaloid, triptolide, anti-proliferative,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCR primer #2 for mdm2 cDNA from human MCF-7 (breast cancer) cell line.
Human; p53; proliferative disease; diterpenoid triepoxides; multi-drug resistance; cancer; restenosis; atherosclerosis; psoriasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                               Query Match 1.0%; Score 23; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 1.3e+03; Matches 23; Conservative 0; Mismatches 0; Indels
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1.0%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 23; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                1374 GAGGCTTTGATGTTCCTGATTG 1396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1374 GAGGGCTTTGATGTTCCTGATTG 1396
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                                                                                                                                                                                                                                                                     23 GAGGGCTTTGATGTTCCTGATTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23 GAGGGCTTTGATGTTCCTGATTG 1
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RESULT 457 ADP11845

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Human cyclin-dependent kinase 10, CDK10 proximal SNP PCR primer #166.
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                                                                                    Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bak gene; promoter; human; apoptosis; ischaemia; tumour; cancer; infection; HIV; neurodegenerative disorder; hair loss;
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                                                                                                                                                Query Match 1.0%; Score 23; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.4e+03; Matches 23; Conservative 0; Mismatches 0; Indels
                                            Human MDZ7 scanning oligonucleotide SEQ ID 5750.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gene therapy; human; ss; melanoma; melanoma associated polymorphic variation; SNP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gene therapy; human; 88; melanoma; melanoma associated polymorphic variation; SNP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human bak gene promoter NF-kappa B site 2.
                                                                                                                                                                                                                                  2341 CAAAGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2341 CAAAGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30 CAAAGTGCTGGGATTACAGGCAT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30 CAAAGIGCIGGGAITACAGGCAT 8
                                                                                                                                                                                                                                                                                                                                                                                    ADO56443 standard; DNA; 30 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADO56349 standard; DNA; 30 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV59189 standard; DNA; 26 BP.
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20-NOV-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                 AD056443;
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                                                                                                                                                                                                                                                                                                                                            RESULT 461
ADO56443/c
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ADO56349/
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AC AAV5
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T cell cancer; B cell lymphoma; pancreatic cancer; breast cancer;
                                                                                                                                                                                                                                  transplant rejection; immune system; rheumatoid arthritis; lupus; inflammatory bowel disease; multiple sclerosis; HIV; AIDS; ss; primer.
                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human phosphatidic acid phosphatase 2-12 RT-PCR primer, SEQ ID NO:4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; phosphatidic acid phosphatase 2-12; recombinant production; cancer; HIV infection; human immunodeficiency virus; gene therapy;
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                                                                                                                                                                                                                                                                                              Query Match 1.0%; Score 23; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 1.3e+03; Matches 23; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human kinesin gene(s) antisense oligonucleotide #10.
                                                                                                                                                                                   Set 2 left PCR primer for marker probe #197.
                                                                                                                                                                                                                                                                                                                                                                                  1528 GCAGCCAAGAAGATGTGAAAGAG 1550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2260 TTTTAGTAGACAGGGTTTCAC 2282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2350 GGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                          1 GCAGCCAAGAAGATGTGAAAGAG 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 TTTTAGTAGAGACAGGGTTTCAC 24
                                                           ADP11845 standard; DNA; 23 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AB199962 standard; DNA; 24 BP.
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                                                                                                                                              12-AUG-2004 (first entry)
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                                                                                                   ADP11845;
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RESULT 458
AB199962
ID AB19996
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AC AB19996
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C AB19996
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RESULT 459 ACA90127

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RESULT 460 ADB04764 ID ADB0476 XX AC ADB0476

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Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                               Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                         Query Match 1.0%; Score 22.8; DB 1; Length 29; Best Local Similarity 85.7%; Pred. No. 1.5e+03; Matches 24; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.0%; Score 22.8; DB 1; Length 29; Best Local Similarity 85.7%; Pred. No. 1.5e+03; Matches 24; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                         Polymorphic fragment of hypertension associated gene GLUT4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.0%; Score 22.8; DB 1; Length 30; Best Local Similarity 92.3%; Pred. No. 1.5e+03; Matches 24; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Polymorphic fragment of hypertension associated gene PGIS.
                                                                                                                                                                                                                                                                                                                                                                                         2271 ACAGGGTTTCACCGTGTTAGCCAGGATG 2298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2106 GAGTCTTGCTCTGTTACCCAGGCTGGAG 2133
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                                                                                                                                                                                                                                                                                                                                                                                                                    -2 ACGCGGTTTCACCRTGTTAGCCAGAATG 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GAGTCTCGCTCTGYTGCCCAGGCTAGAG 29
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                                                                                        AAA04311 standard; DNA; 29 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAA04497 standard; DNA; 29 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH38989 standard; DNA; 30 BP
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                                                                                                                                                                 22-MAY-2000 (first entry)
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                                                                                                                             AAA04311;
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ADO56348/c
ID ADO563
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AC ADO563
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPB; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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Ouery Match 1.0%; Score 22.8; DB 1; Length 26; Best Local Similarity 92.3%; Pred. No. 1.4e+03; Matches 24; Conservative 0; Mismatches 2; Indels
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1.0%; Score 22.8; DB 1; Length 27;
Best Local Similarity 88.9%; Pred. No. 1.4e+03;
Matches 24; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2332 TCGGCCTCCCAAAGTGCTGGGATTACA 2358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2344 AGTGCTGGGATTACAGGCATGAGCCAC 2370
                                                                               2264 AGTAGAGACAGGGTTTCACCGTGTTA 2289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2342 AAAGTGCTGGGATTACAGGCATGAGC 2367
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                                                                                                      1 AGTAGAGGGGGTTTCACCATGTTA 26
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                                                                                                                                                                                                                                                                                                                                               Human gene specific PCR primer #66.
                                                                                                                                                                                                                        ABK65978 standard; DNA; 26 BP
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                                                                                                                                                                                                                                                                                                       02-JUL-2002 (first entry)
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AAH40487
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AAT27744/C
ID AAT277
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     breast cancer; cytostatic; gene therapy; human; platelet glycoprotein VI; GP6; GPIV; GPV1; chromosome 19q13.4; ss; PCR; primer; SNP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer 167 used to genotype human glycoprotein VI (GP6) polymorphism.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                     Human cyclin-dependent kinase 10, CDK10 proximal SNP PCR primer #71.
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                                                                                                                                                                                                                                      Query Match 1.0%; Score 22.8; DB 1; Length 30; Best Local Similarity 92.3%; Pred. No. 1.5e+03; Matches 24; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.0%; Score 22.8; DB 1; Length 30; Best Local Similarity 92.3%; Pred. No. 1.5e+03; Matches 24; Conservative 0; Mismatches 2; Indels
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                                                                                                                                          gene therapy; human; 88; melanoma; melanoma associated polymorphic variation; SNP.
                                                                                                                                                                                                                                                                                                                                                       2337 CTCCCAAAGTGCTGGGATTACAGGCA 2362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2337 CTCCCAAAGTGCTGGGATTACAGGCA 2362
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AAQ77890/c
ID AAQ77890 standard; cDNA; 30 BP.
XX
AC AAQ77890;
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DT 25-WAR-2003 (revised)
DT 06-JUL-1995 (first entry)
XX
DS Neural thread protein AD10-7 cDNA
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KW Neural thread protein AD10-7; Alz
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ADO79710 standard; DNA; 30 BP.
                           (first entry)
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LID ADO73
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AC ADO73
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Neural thread protein; NTP; diagnosis; detection; Alzheimer's disease; neuroectodermal tumour; malignant astrocytoma; monoclonal antibody;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  High density lipoprotein-cholesterol; HDL-C; cardiovascular; ABC1; ds
                                                           Gaps
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Query Match
1.0%; Score 22.6; DB 1; Length 30;
Best Local Similarity 86.2%; Pred. No. 1.5e+03;
Matches 25; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.0%; Score 22.6; DB 1; Length 30; Best Local Similarity 86.2%; Pred. No. 1.5e+03; Matches 25; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human ABC1 transcription factor binding site #49.
                                                                                                             2179 TTCGCACCATTCTCCTGCCTCAGCCTCCC 2207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Neural thread protein antisense sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30 TTCAAGCGATTCTCCTGCCTCAGCCTCC 2
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Chemokine receptor; CCR8; human; G protein coupled receptor; HIV; infection; therapy; immunomodulator; chemotaxis; apoptosis; PCR; primer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Neoplasm identification; tumour; colorectal; stomach; pancreatic; arbitrarily primed; AP; PCR; primer; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ss; PCR; primer; tumour; tumour tissue; colorectal tumour cell; stomach tumour cell; pancreatic tumour cell; cancer risk; cancer.
                                                                                                                                                                                                                    Query Match 0.9%; Score 22.4; DB 1; Length 25; Best Local Similarity 95.8%; Pred. No. 1.5e+03; Matches 23; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.9%; Score 22.4; DB 1; Length 25; Best Local Similarity 95.8%; Pred. No. 1.5e+03; Matches 23; Conservative 0; Mismatches 1; Indels
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0.9%; Score 22.4; DB 1; Length 25;
Best Local Similarity 95.8%; Pred. No. 1.5e+03;
Matches 23; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AP-PCR primer J, used to identify deletions in human gene.
                                                                                                     Chemokine receptor CCR8 PCR primer CY6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumour tissue arbitrary PCR primer #10.
                                                                                                                                                                                                                                                                                                                  2347 GCTGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2260 TTTTAGTAGAGACAGGGTTTCACC 2283
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     AD004045/c
ID AD004045 standard; DNA; 25 BP.
                                                   07-JUN-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-JUL-2004 (first entry)
       AAX24391;
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                                                                                                                                                                                                                                                                                                                Human; Pax protein 22, cancer; haemopathy, HIV infection, cytostatic;
haemostatic; virucide; immunomodulatory; antiinflammatory; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88; primer; Sec24 protein-31.35; cancer; HIV infection; PCR; RT-PCR; reverse transcriptase PCR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Arbitrary primers; AP-PCR; amplification; tumour cells; cancer;
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0.9%; Score 22.4; DB 1; Length
Best Local Similarity 95.8%; Pred. No. 1.5e+03;
Matches 23; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                 Human Pax protein 22 coding sequence PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2307 CICCIGACCICGIGAICCGCCCAC 2330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sec24 protein-31.35 RT-PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24 CTCCTGACCTCGTGATCCGCCCGC 1
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24 GTAGAGGGGGTTTCACCGTGTT
                                                                                                                      ABA05118 standard; DNA; 24 BP
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29-JAN-1995 (first entry)
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RESULT 478 ADL07545/c

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AAA04009/c
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ID AAA0
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single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                        Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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                             Length 29;
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                         Query Match

0.9%; Score 22.4; DB 1;
Best Local Similarity 92.0%; Pred. No. 1.5e+03;
Matches 23; Conservative 0; Mismatches 2;
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                                                                                 2230 CTGCCACCACACCTGGCTAATTTTT 2254
                                                                                               25 CTGCCACCNCACTTGGCTAATTTTT 1
                                                                                                                                                                            AAA04010 standard; DNA; 29 BP
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ID AAA0
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0.9%; Score 22.2; DB 1; Length 29;
Best Local Similarity 82.8%; Pred. No. 1.5e+03;
Matches 24; Conservative 1; Mismatches 4; Indels
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AAA03983/c
ID AAA03983 standard; DNA; 29 BP.
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AAA04496 standard; DNA; 29
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Human, mdm-2; PCR primer; reaction container; quantitation; diagnosis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pseudocyclic oligonucleotide; functional segment; protective segment; nucleic acid detection; mRNA cleavage; antisense therapy; PCO;
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                                                                               Query Match 0.9%; Score 22; DB 1; Length 22; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                 1638 GGTCGACCTAAAAATGGTTGCA 1659
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                                                                                                                                                                                                                              22 GGTCGACCTAAAAATGGTTGCA 1
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ID AAA97661 standard; DNA; 22 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF77570 standard; DNA; 22 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human mdm2 RNA PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-FEB-2001 (first entry)
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                             food analysis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAA97661;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAF77570;
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                                                                                                                                                                                                                                                                                                                                     RESULT 494
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; tumourigenesis gene; T-gene; PLAG2; PLAG1; CTNNB1; antibody;
benign tumour; malignant tumour; leukaemia; lymphoma; cancer; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human ABC1 cholesterol transporter; chromosome 9q31,
ATP-binding cassette; HDL deficiency disorder; high density lipoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                     Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
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                                                                                                                                                                                                                                                                       Query Match 0.9%; Score 22.2; DB 1; Length 29; Best Local Similarity 82.8%; Pred. No. 1.5e+03; Matches 24; Conservative 1; Mismatches 4; Indels
                                                                                                                           Polymorphic fragment of hypertension associated gene APOC3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.9%; Score 22; DB 1; Length 22; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human ABC1 BAC contig polymorphic site, SEQ ID NO:275.
                                                                                                                                                                                                                                                                                                                                                                                    2270 GACAGGGTTTCACCGTGTTAGCCAGGATG 2298
                                                                                                                                                                                                                                                                                                                                                                                                                       29 GATGGGGTTTCACCRIGTTGGCCAGGTTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nucleotide sequence of PCR primer P2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2338 TCCCAAAGTGCTGGGATTACAG 2359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 TCCCAAAGTGCTGGGATTACAG 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV29285 standard; cDNA; 22 BP
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                                                                      22-MAY-2000 (first entry)
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ss; standardized polynucleotide system; medical diagnosis; functional genomics; sample analysis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Standardized polynucleotide system polynucleotide #10 PCR primer #2
                                                                                                                       Standardized polynucleotide system polynucleotide #9 PCR primer #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.9%; Score 22; DB 1; Length 22; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                         1253 CCTTCCATCACATTGCAACAGA 1274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human IL4Ralpha gene PCR primer #84.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              639 GTCAATCAGCAGGAATCATCGG 660
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    ADK66043 standard; DNA; 22 BP.
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                                                                                 06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-MAY-2004 (first entry)
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AAF69748
ID AAF6974
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diterpenoid triepoxide; vinca alkaloid; triptolide; anti-proliferative;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCR primer #1 for mdm2 cDNA from human MCF-7 (breast cancer) cell line.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pseudo-cyclic oligonucleotide; PCO; gene expression; protein kinase A_i nucleic acid detection; ribozyme inhibition; gene transcription; MDM2;
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                                                                                                                                                                                                                                                                                                       KRAB domain; hyperplasia; thyroid; tumor; zinc finger motif; primer; cytostatic; antithyroid; gene therapy; chromosome 19; 19q13; ss.
                                                                                                                                                                                                                                                                Human thyroid malfunction-associated protein RITA PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.9%; Score 22; DB 1; Length 22; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human MDM2 mRNA amplifying RT-PCR reverse primer.
2338 TCCCAAAGTGCTGGGATTACAG 2359
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                       1 TCCCAAAGTGCTGGGATTACAG 22
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                                                                                                                                         AAF88160 standard; DNA; 22 BP
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                                                                                                                                                                                 AAF88160;
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ADK66043/c
                                                                                                  RESULT 497
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                                                                                                                   AAA03981 standard; DNA; 29
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                                                                                                                                               AAA03981;
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ID AAA0398
XX AC AAA0396
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DT 22-MAY-
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DB POlymol
KW POlymol
KW Lesch-l
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ADB04739
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                                                                                                                                                                                                                                                                                                                                Genomics; DNA sequencing; random fragmentation; primer linked fragment; HS3+; positional amplification; PCR; primer; 88; human; tp53; HS2+.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                     HS2+ primer nested for HS3+, which amplifies the human tp53 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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             Polymorphism; human; interleukin 4 receptor-alpha; IL4R-alpha; allergic disease; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Polymorphic fragment of hypertension associated gene GLUT4
                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.9%; Score 22; DB 1; Length 24; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 22; DB 1; Length 29; Best Local Similarity 91.7%; Pred. No. 1.6e+03; Matches 22; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 22; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.5e+03; Matches 22; Conservative 0; Mismatches 0; Indels
                                                        Length 23;
                                                                                     0; Indels
                                                     Ouery Match

0.9%; Score 22; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 22; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human MDZ7 scanning oligonucleotide SEQ ID 5749.
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                                                                                                                2233 CCACCACACCTGGCTAATTTTT 2254
                                                                                                                                                                                                                                                                                                                                                                                                                                    2286 GTTAGCCAGGATGGTCTCGATC 2307
                                                                                                                             1 CCACCACACCTGGCTAATTTT 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 GGGTTTCACCGTGTTAGCCAGG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                   22 GTTAGCCAGGATGGTCTCGATC 1
                                                                                                                                                                                                                AAL56647 standard; DNA; 24 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB04763 standard; DNA; 25 BP
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                                                                                                                                                                                                                                                                        09-OCT-2003 (first entry)
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                                                                                                                                                                                                                                              AAL56647;
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                                                                                                                                                                                                                                                                                                                                            Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus;
Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gene polymorphism; drug-metabolising enzyme; PCR primer; CYP2C18i;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 0.9%; Score 21.8; DB 1; Length 25; Local Similarity 92.0%; Pred. No. 1.6e+03; les 23; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                    Polymorphic fragment of hypertension associated gene APOC3.
                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.9%; Score 22; DB 1; Length 29; Best Local Similarity 91.7%; Pred. No. 1.6e+03; Matches 22; Conservative 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2248 AATTTTTTGTACTTTTAGTAGAGAC 2272
2231 TGCCACCACCTGGCTAATTTTT 2254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2349 TGGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AATATTTGTATTTTTAGTAGAC 25
                                 6 TGCCACCACRCCTGGCTAATTTAT 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25 AGACAGGGTTTCACCATGTTGGCCA 1
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20-NOV-2003 (first entry)
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AAH91552
ID AAH9155
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Matches
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                                                                                                     Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                                                               Human MDZ7 scanning oligonucleotide SEQ ID 5723.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    2176 GGGTTCGCACCATTCTCCTGCCTCA 2200
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                                                                                                                                                                                                   1 GGGTTCACACCATTCTCCTGCTTCA 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADB04737 standard; DNA; 25 BP.
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                                                        20-NOV-2003 (first entry)
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                                 ADB04737;
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ADB04743
ID ADB0474
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ADB04667
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ADB04738
ADB04737
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                                                            Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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                                                                                                                                                      Query Match 0.9%; Score 21.8; DB 1; Length 25; Best Local Similarity 92.0%; Pred. No. 1.6e+03; Matches 23; Conservative 0; Mismatches 2; Indels
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Human MDZ7 scanning oligonucleotide SEQ ID 5729.
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                                                                                                                                                                                                                                                                                 2252 TTTTGTACTTTTAGTAGAGACAGGG 2276
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                                                                                                                                                                                                                                                                                                                            1 TTTGTATTTTAGTAGAGGGGG 25
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ADH47847;
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ID ADA74797/
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single multiplex polymerase chain reaction; multifactorial disease;
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single multiplex polymerase chain reaction; multifactorial disease;
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    3; Indels
 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2100 GAGACCGAGTCTTGCTCTTACCCAGG 2127
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2332 TCGCCTCCCAAAGTGCTGGGATTA 2356
                                                                                                                                                                                                                                                                                                                             2332 TCGGCCTCCCAAGTGCTGGGATTA 2356
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                                           1 GCCTTCCAAAGTGCNAGGATTACAGG 26
                                                                                                                                                                                                                                                                                                                                              S TCGCCTCCCAAATTCTGGGATTA 29
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                                                                                                                                                                                                    Single multiplex PCR primer #2274.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Single multiplex PCR primer #2317.
                                                                                                                       ADO12902 standard; DNA; 29 BP
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Matches 23; Conservative
                                                                                                                                                  ADO12902;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antidiabetic; anorectic; cardiant; hypotensive; antiarteriosclerotic; anorectic; virucide; antibacterial; fungicide; protozoacide; nootropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         discriminant function coefficient, DC; ethnic affiliation; haplotype, descent predictor; forensic analysis; Alu repeat; hot spot; diversity;
                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                             Human; WRN; Werner's syndrome; detection; diagnosis; autosomal; recessive disorder; phenotype; primer; RT-PCR; amplification; ss.
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0.9%; Score 21.4; DB 1; Length 23;
Best Local Similarity 95.7%; Pred. No. 1.6e+03;
Matches 22; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.9%; Score 21.4; DB 1; Length 23; Best Local Similarity 95.7%; Pred. No. 1.6e+03; Matches 22; Conservative 0; Mismatches 1; Indels
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0.9%; Score 21.4; DB 1; Length 23;
Best Local Similarity 95.7%; Pred. No. 1.6e+03;
Matches 22; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                            Primer E2C to isolate human WRN gene 3' exons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2097 TTTGAGACCGAGTCTTGCTCTGT 2119
                                                                                                                                                                                                                                                                                                                                                                                                   2336 CCTCCCAAAGTGCTGGGATTACA 2358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2344 AGTGCTGGGATTACAGGCATGAG 2366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23
                                                                                                                                                                                                                                                                                                                                                                                                                                 23 CCTCCCAAAGTGTTGGGATTACA 1
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ADA74797 standard; DNA; 23 BP.
AAX83037 standard; DNA; 23 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NOV14 PCR primer, SEQ ID 260.
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                                                                                                        31-AUG-1999 (first entry)
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ID ADP6
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AC ADP6
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DT 12-A
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12-AUG-2004 (first entry)

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Best Local Similarity 95.7%; Pred. No. 1.6e+03; Matches 22; Conservative 0; Mismatches 1
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Best Local S:
Matches 22
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                                                                                                                                                                                                                                                                                                                                                                               RESULT 528
ADL06343/c
                                                                                                   RESULT 527
ADE43814/c
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ADH54292/
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                                    human; PCR; ss; NOVX; Alzheimer's disease; Huntington's; inflammatory; Crohn's disease; rheumatoid arthritis; immunological; endocrine;
                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                88; PCR; primer; Cytostatic; Neuroprotective; Immunosuppressive; Gene therapy; Vaccine; human; neurodegenerative disorder;
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           PCR primer used to amplify human NOV14 DNA (Ag210) SeqID 262.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.9%; Score 21.4; DB 1; Length 24; Best Local Similarity 95.7%; Pred. No. 1.6e+03; Matches 22; Conservative 0; Mismatches 1; Indels
                                                                      Query Match 0.9%; Score 21.4; DB 1; Length 23; Best Local Similarity 95.7%; Pred. No. 1.6e+03; Matches 22; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; FD16.06; cancer; HIV; PCR; primer; ss.
                                                                                                                                                                                                                                                                                         Human NOVX gene, reverse PCR primer #29.
                                                                                                                         2097 TTTGAGACCGAGTCTTGCTCTGT 2119
                                                                                                                                                                                                                                                                                                                                                                                                       2097 TTTGAGACCGAGTCTTGCTCTGT 2119
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                                                                                                                                        1 TTTGAGACGGAGTCTTGCTCTGT 23
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                                                                                                                                                                                                                                                               20-MAY-2004 (first entry)
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Query Match

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; protein-13.2; site-specific recombinase; growth development disorder; tumour; reverse transcriptase-PCR; RT-PCR;
  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Neurodegenerative disease; uPA; SNCG; IDE; KNSL1; LIPA; TNFRSF6; Alzheimer's disease; neuroprotective; nootropic; gene therapy;
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0.9%; Score 21.4; DB 1; Length 24;
Best Local Similarity 95.7%; Pred. No. 1.6e+03;
Matches 22; Conservative 0; Mismatches 1; Indels
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1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2261 TITAGTAGAGACAGGGTTTCACC 2283
                                               2266 TAGAGACAGGGTTTCACCGTGTT 2288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2185 CCATTCTCCTGCCTCAGCCTCCC 2207
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                                                                                 1 TAGAGACAGGGTTTCACCATGTT 23
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                                                                                                                                                                                                                                                                                                                                                                                                       Human LIPA PCR primer, SEQ ID 419.
                                                                                                                                                                                                                                       ADE43814 standard; DNA; 24 BP.
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                                                                                                                                                                                                                                                                                                                                                  29-JAN-2004 (first entry)
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Gaps

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RESULT 530 AAX16609

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Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPB; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ss; PCR; primer; amplification; ataxia telangiectasia; diagnosis; human; radiation; breast cancer.
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                                                                                                                                                        Length 27;
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0.9%; Score 21.2; DB 1; Length 27;
Best Local Similarity 85.2%; Pred. No. 1.7e+03;
Matches 23; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                       Indels
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                                                                                                                                                                                                                                                                                  27 GTGATCTTAGNTCACTGCAACCTCCGC 1
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                                            SNP specific SNPE primer SEQ ID 2319.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SNP specific SNPE primer SEQ ID 855.
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ID AAH38059 standard; DNA; 27 BP.
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                                                                                                                                                                                                                                             Interleukin 1; IL-1; haplotype; inflammatory disorder; alopecia areata;
coronary artery disease; osteoporosis; nephropathy; diabetes mellitus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Early-onset menopause; EOM; diagnosis; therapy; human; interleukin-1A; IL-1A; PCR; primer; ss.
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                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 21.4; DB 1; Length 25; Best Local Similarity 95.7%; Pred. No. 1.6e+03; Matches 22; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human interleukin-1A (gz5/gz6) amplifying PCR primer #1.
                                                                                                                                                                                                Interleukin 1 (44112332) haplotype PCR primer #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2350 GGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                        2350 GGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2350 GGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GGGATTACAGGCGTGAGCCACCG 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGGATTACAGGCGTGAGCCACCG 23
                                                             AAX16609 standard; DNA; 25 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAD27391 standard; DNA; 25 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADN48862 standard; DNA; 25 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAH39523 standard; DNA; 27 BP
                                                                                                                                                      29-APR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JUL-2004 (first entry)
                                                                                                         AAX16609;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAD27391;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADN48862;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH39523;
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ADN48862
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AAH39523
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Pseudocyclic oligonucleotide, functional segment, protective segment, nucleic acid detection, mRNA cleavage, antisense therapy, PCO;
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                                                                                                                                                                                          Human; secreted protein; SECX; cancer; cytostatic; vaccine; primer; expression analysis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                       Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                     1767 GTGCTAACTTATTTCCCCTAG 1787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human MDM2 reverse RT-PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human SECX 2826468 forward primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 GTGCTAACTTATTTCCCCTAG 1
                                                                   AAA62471 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                   AAA97663 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAA50950 standard; DNA; 21 BP.
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                                                                                                                              (first entry)
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                                                                                                                            21-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-FEB-2001
                                                                                                AAA62471;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA97663;
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AAD03620/c
ID AAD036:
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AC AAD036:
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                                                                                                                                                                                                                                                                                                   Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MDM2 protein, antisense oligonucleotide, activate, tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antisense oligonucleotide S7-3 directed against MDM2 encoding RNA
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Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                      Length 21;
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                                                                                                                                                                                                                                                                      Human mdm2 real-time forward PCR primer #269.
                                                              2122 CCCAGGCTGGAGTGCAGTGGG 2142
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                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGCAAATGTGCAATACCAACA 21
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                                                                                 21 CCCAGGCTGGAGTGCAGTGGG 1
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AAX35136 standard; DNA; 21 BP.
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                                                                                                                                                                        AAZ37739 standard; DNA; 21 BP
                                                                                                                                                                                                                                       07-JAN-2000 (first entry)
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                                                                                                                                                                                                        AAZ37739;
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                                                                                                                                           RESULT 537
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Matches 21; Conservative 0; Mismatches 0;
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                                                                                     1 GTTAGCCAGGATGGTCTCGAT 21
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                                                                                                                                                        AAH22714 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAS29508 standard; DNA; 21 BP
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                                                                                                                                                                                     AAH22714;
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                                                       Anthozoa; Chromoprotein; fluorescent protein; sunscreen; biosensor; analyte detection assay; selectable marker; recombinant DNA application;
                          Human marathon cDNA library (Burke's lymphoma) amplifying PCR primer #2.
                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Gaps
                                                                                                                                                                                                                                                                                                                                                                Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss
                                                                                              Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                      Human gene single nucleotide polymorphism #499.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SNP specific lower PCR primer SEQ ID 3122.
                                                                                                                                                     1767 GIGCTAACTTATTTCCCCTAG 1787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                2336 CCTCCCAAAGTGCTGGGATTA 2356
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                                                                                                                                                                    21 GTGCTAACTTATTTCCCCTAG 1
                                                                                                                                                                                                                                                    AAF95738 standard; DNA; 21 BP
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19-JUN-2001 (first entry)
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                                                                                                                                                                                                                                                                                                           06-JUN-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human mdm2 forward primer.
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                                                                                                                                                                                                                                                                                 AAF95738;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAF80893;
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                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Secreted protein; SECX; cancer; human; cytostatic; gene therapy; PCR primer; probe; ss.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
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Length 21;
                                                        0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Forward PCR primer used to amplify human mdm2 mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human secreted protein (SECX) specific oligo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2300 TCTCGATCTCCTGACCTCGTG 2320
                                                                                                             2286 GTTAGCCAGGATGGTCTCGAT 2306
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MDM2; mouse double minute; tumour; cancer; colorectal cancer; cytostatic; therapeutic; antisense therapy; human; antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ss; standardized polynucleotide system; medical diagnosis; functional genomics; sample analysis; pharmacogenomics; sample analysis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        High density lipoprotein-cholesterol; HDL-C; cardiovascular; ABCl; ds.
                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Standardized polynucleotide system polynucleotide #10 PCR primer #1
                                                                                      Human mouse double minute (MDM2) antisense oligonucleotide AS7-3.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lipase; LPDL; LPDLR; lipase deficiency; atherosclerosis; fatty liver disease; dyslipidaemia; hypercholesterolaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                        Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                            1007 AGGTGATTGGTTGGATCAGGA 1027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2346 TGCTGGGATTACAGGCATGAG 2366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          359 CTCACAGATTCCAGCTTCGGA 379
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                                                                                                                                                                                                                                                                                                  21 AGGTGATTGGTTGGATCAGGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                         ADK66046 standard; DNA; 21 BP.
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                                               (first entry)
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                                             11-MAR-2004
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      AAD65018;
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                                                                                                                                                                                                                                                                   Pseudo-cyclic oligonucleotide; PCO; gene expression; protein kinase A; nucleic acid detection; ribozyme inhibition; gene transcription; MDM2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                            Human MDM2 mRNA amplifying RT-PCR reverse primer 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1007 AGGTGATTGGTTGGATCAGGA 1027
                                                                                                                                                                                                                                                                                                                                                                                                                     726 GTACAAGAGCTTCAGGAAGAG 746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human mdm2-specific PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     307 GGCAAATGTGCAATACCAACA 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GGCAAATGTGCAATACCAACA 21
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1 TTCACCGTGTTAGCCAGGATG 21
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                                                                                      )509/c
ABL60509 standard; DNA; 21 BP.
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                                    Gaps
                                                                                                                                                                                                                                                                                                                      Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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0.9%; Score 20.8; DB 1; Length 24;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 22; Conservative 0; Mismatches 2; Indels
Query Match 0.9%; Score 21; DB 1; Length 22; Best Local Similarity 95.5%; Pred. No. 1.6e+03; Matches 21; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                      Query Match
0.9%; Score 21; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No..1.7e+03;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human ABC1 transcription factor binding site #52.
                                                                                                                                                                                                                                                                                    Human MDZ7 scanning oligonucleotide SEQ ID 5748.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human ABC1 transcription factor binding site #6.
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                                                                2188 TTCTCCTGCCTCAGCCTCCCAA 2209
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                                                                                        22 TTCTCCTGCCTNAGCCTCCCAA 1
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                                                                                                                                                                                   ADB04762 standard; DNA; 25 BP
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ADB04762
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                                                                                                                                                                                         Human; zinc finger protein 15; cytostatic; virucidal; immunomodulatory; antiinflammatory; haemostatic; gene therapy; malignant neoplasm;
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                                                                                                                                                                                                                                              0.9%; Score 20.8; DB 1; Length 24; 91.7%; Pred. No. 1.7e+03; tive 0; Mismatches 2; Indels
                                                                                                                                                    Human zinc finger protein 15 PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human Mch2 protein 9.57, RT-PCR primer 2.
                                                                                                                                                                                                                                                                                                                         2349 TGGGATTACAGGCATGAGCCACCG 2372
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AAL46337/c
ID AAL46337 standard; DNA; 24 BP.
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                                                                                                               28-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                Best Local Similarity 91.73
Matches 22; Conservative
                                                                          AA165098;
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Matches
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ABK51390
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Human; cyclin-dependent kinase; CDK; cyclin-dependent kinase inhibitor; inhibitor; cancer; age-related disease; promoter; atherosclerosis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Trans-Golgi network integral membrane protein; TGNP; chromosome 2p11.2;
cytostatic; antiinflammatory; immunomodulator; neuroprotective; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Human RAGE4 renal cancer antigen 11.44 RT-PCR primer, SEQ ID NO:3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; RAGE4 renal cancer antigen 11.44; recombinant production;
gene therapy; renal tumour; renal cancer; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / Match 0.9%; Score 20.8; DB 1; Length 24; Local Similarity 91.7%; Pred. No. 1.7e+03; nes 22; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.9%; Score 20.8; DB 1; Length 24; Best Local Similarity 91.7%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 2; Indels
                                                            Query Match 0.9%; Score 20.8; DB 1; Length 24; Best Local Similarity 91.7%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human kinesin gene(s) antisense oligonucleotide #3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human TGNP promoter amplifying forward primer.
                                                                                                                                                 2342 AAAGTGCTGGGATTACAGGCATGA 2365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2260 TITIAGIAGAGACAGGGTTTCACC 2283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2100 GAGACCGAGICTTGCTCGTTACC 2123
                                                                                                                                                                         1 AAAGTGCTGGGATTAGAGGCGTGA 24
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                                                                                                                                                                                                                                                                                                                                                                                       01-APR-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                               ABZ57256;
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ACA90120
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ACF35685/0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; protein phosphatase 13.64; recombinant production; gene therapy; female genital development disorder; abnormal female sex characteristic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; uterine globulin 12; malignant tumour; cancer; haemopathy; human immunodeficiency virus; HIV; immunological disease; inflammation;
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                                                                                                                                            Neurodegenerative disease; M30; M31; M32; M33; stroke;
fragile X syndrome; Huntington's disease; Parkinson's disease;
                                                                                                                                                                                                           Query Match 0.9%; Score 20.8; DB 1; Length 24; Best Local Similarity 91.7%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.9%; Score 20.8; DB 1; Length 24; Best Local Similarity 91.7%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human protein phosphatase 13.64 RT-PCR primer, SEQ ID NO:3.
                                                                                                    Human M30 protein coding sequence PCR primer hm30_nn_s5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human uterine globulin 12 cDNA RT-PCR primer #2.
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                                                                                                                                                                                                                                                                                                2106 GAGICITGCICIGITACCCAGGCT 2129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2264 AGTAGAGACAGGGTTTCACCGTGT 2287
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                                                          19-JUL-2002 (first entry)
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                 AAL46337;
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Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                                                                                                                                                                                                          SNP specific SNPE primer SEQ ID 1027.
                                                                                                                                                                                                                                                                                                                                                                                     1 TTTGTATTTTTAGTAGAGGGG 24
    AAH38231 standard; DNA; 25 BP.
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                                                                                               14-AUG-2001 (first entry)
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                                                   AAH38231;
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ADB04675
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ADB04744
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                                                                                                                                                                                                                                                                                                                                                       recombinant expression construct; cyclin-dependent kinase inhibitor; CDK; virucide; cytostatic; neuroprotective; nootropic; antiarteriosclerotic;
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                                                                                                                                                                                                                                                                                                            PCR primer SEQ ID 55 used to amplify human PSF promoter DNA
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2114 CTCTGTTACCCAGGCTGGAGTGCA 2137
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                                                                                                                                                                 ADG28972 standard; DNA; 24 BP.
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ADQ30417/c
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AAH38231
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                                                              Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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                                                                                                                                                                Query Match 0.9%; Score 20.8; DB 1; Length 25; Best Local Similarity 91.7%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 2; Indels
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Human MDZ7 scanning oligonucleotide SEQ ID 5661.
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Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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                                                                                                                                                                                                                                           Human MDZ7 scanning oligonucleotide SEQ ID 5652.
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                     2249 ATTTTTGTACTTTTAGTAGAGAC 2272
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                                                                                                                                        ADB04666 standard; DNA; 25 BP.
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                                                                                                      RESULT 580
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               Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                                               Query Match 0.9%; Score 20.8; DB 1; Length 25; Best Local Similarity 91.7%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                           Human MDZ7 scanning oligonucleotide SEQ ID 5650.
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                                                                                                                                   2183 CACCATTCTCCTGCCTCAGCCTC 2206
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                                                                                                                                                      2 CACCATTCTCCTGCTTCAGTCTCC 25
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ADB04664
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                                                                                                                      Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                                                                                                                                           Query Match 0.9%; Score 20.8; DB 1; Length 25; Best Local Similarity 91.7%; Pred. No. 1.7++03; Matches 22; Conservative 0; Mismatches 2; Indels
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                                                                                            Human MDZ7 scanning oligonucleotide SEQ ID 5728.
                                                                                                                                                                                                                                                                                                                                                                                                              Promoter; human; fat cell; PCR; primer; ss.
                                                                                                                                                                                                                2252 TTTTGTACTTTTAGTAGAGACAGG 2275
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                                                                                                                                                                                                                                                                                                                                                                                  Promoter related PCR primer, SEQ ID 7.
                                                                                                                                                                                                                                2 TTTTGTATTTTAGTAGAGACGGG 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer for SGRF coding sequence.
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             ADB04742 standard; DNA; 25
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                                                                    (first entry)
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                                          ADB04742;
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ADJ94629
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AAZ37279/
ID AAZ3
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                                             Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; inflammatory bowel disease; Crohn's disease; ulcerative colitis; single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human inflammatory bowel disease associated polymorphic site #397.
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                                                                                                                        Query Match 0.9%; Score 20.8; DB 1; Length 27; Best Local Similarity 84.6%; Pred. No. 1.7e+03; Matches 22; Conservative 0; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 27;
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0.9%; Score 20.6; DB 1;
Best Local Similarity 85.2%; Pred. No. 1.8e+03;
Matches 23; Conservative 0; Mismatches 4;
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                                                                                                                                                                                                                         2346 TGCTGGGATTACAGGCATGAGCCACC 2371
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                                                                                                                                                                                                                                                     1 TGCTGNGATTATAGNCACGAGCCACC 26
SNP specific SNPE primer SEQ ID 2063.
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ID AAH91322 standard; DNA; 27
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Best Local Similarity
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Prizzled-4; FZD4; immunodulatory compound; ophthalmological; vasotropic;
antiinflammatory; vulnerary; osteopathic; antimicrobial; antipsoriatic;
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antiinflammatory; vulnerary; osteopathic; antimicrobial; antipsoriatic;
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0.9%; Score 20.4; DB 1; Length 22;
Best Local Similarity 95.5%; Pred. No. 1.7e+03;
Matches 21; Conservative 0; Mismatches 1; Indels
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0.9%; Score 20.4; DB 1; Length 22;
Best Local Similarity 95.5%; Pred. No. 1.7e+03;
Matches 21; Conservative 0; Mismatches 1; Indels
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0.9%; Score 20.4; DB 1; Length 22;
Best Local Similarity 95.5%; Pred. No. 1.7e+03;
Matches 21; Conservative 0; Mismatches 1; Indels
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                                              ADB88578 standard; DNA; 22
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ADM65602
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ADM65599
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; Van Buchem's disease; genomic deletion; craniotubular hypertosis; autosomal recessive disorder; chromosome 17; chromosome 17q21;
                                                                                                                                                                                                                                                                                                                                         Gene polymorphism; drug-metabolising enzyme; PCR primer; CYP2C18i; ss.
      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human chromosome 17 92Kb gene fragment amplifying PCR primer, WtlR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human chromosome 17 92Kb gene fragment amplifying PCR primer, Wt3R.
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    1; Indels
  0; Mismatches
                                       2188 TICTCCTGCTCAGCCTCCCAA 2209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2344 AGTGCTGGGATTACAGGCATGA 2365
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                                                               22 TTCTCCTGCCTTAGCCTCCCAA 1
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                                                                                                                                                                                                                                                                                                   Human CYP2C18i PCR primer #5.
                                                                                                                                                                                                                                                            20-JUN-2001 (first entry)
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21; Conservative
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ID AAF843.
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RESULT 591 AAD31453/c

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Best Local Similarity 95.5%; Pred. No. 1.8e+03;
Matches 21; Conservative 0; Mismatches 1; Indels
                                                 2351 GGATTACAGGCATGAGCCACCG 2372
                                                                         24 GGATTACAGGCGTGAGCCACCG 3
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                                                                                                                                                                  ABX15537 standard; DNA; 25 BP
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ID AAH38991 standard; DNA; 25 BP.
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human immunodeficiency virus infection; HIV infection; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RT-PCR primer #1 for cDNA encoding human zinc finger protein 10.01.
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                                              ethnic origin determination; polymorphic site determination; Y chromosome; paternity testing; forensic; diagnosis;
                                                                                             Query Match 0.9%; Score 20.4; DB 1; Length 22; Best Local Similarity 95.5%; Pred. No. 1.7e+03; Matches 21; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human argininase 9 RT-PCR primer, SEQ ID NO:3 version #1.
               NRY polymorphism detection primer #507
                                                                                                                                                                                                                                                                                                                                                                              NRY polymorphism detection primer #509.
                                                                                                                                                              2092 TTTTTTTGAGACCGAGTCTTG 2113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2092 TTTTTTGAGACCGAGTCTTG 2113
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                                                                                                                                                                                   24 GGATTACAGGCGTGAGCCACCG 3
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ABS58183 standard; DNA; 24 BP.
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                                                                                                                                                                                                                                                                                                                                              03-JUN-2004 (first entry)
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ABA96912/c
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ID ABS51
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XX KW HUMBA
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                                                             Human; 88; PCR; primer; interleukin-1; IL-1; marker gz51gz6; nephropathy; inflammatory disease; Systemic Inflammatory Response; SIRS; genotyping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           extension;
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SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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Human IL-1 genotyping marker gz51gz6 primer #1.
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Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ1; Ghromosome 7q22.1;
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                                                                                                                                         Query Match

0.9%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 1.8e+03;
Matches 22; Conservative 0; Mismatches 3; Indels
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                                        SNP specific SNPE primer SEQ ID 2863.
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14-AUG-2001 (first entry)
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Matches 22; Conservative
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Matches 22; Conserv
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ABL51377/c
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ID AAH40067 standard; DNA; 25 BP.
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XC AAH40067;
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                                                     AAH38423 standard; DNA; 25 BP.
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Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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0.9%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 1.8e+03;
Matches 22; Conservative 0; Mismatches 3; Indels
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                                                                                             CCATTCTCCTGCTTCAGTCTCCCGA 25
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Antiinflammatory; nephrotropic; hepatotropic; neuroprotective; nootropic; gynaecological; cytostatic; antiallergic; immunosuppressive; antithyroid;
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                     Query Match 0.9%; Score 20.2; DB 1; Length 25; Best Local Similarity 88.0%; Pred. No. 1.8e+03; Matches 22; Conservative 0; Mismatches 3; Indels
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                                                                                         2250 TTTTTGTACTTTTAGTAGACAG 2274
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                                                    Human MDZ7 scanning oligonucleotide SEQ ID 5658
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                                                                                                                                                                                                                                1 CACACCATTCTCCTGCTTCAGTCTC 25
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LRP5; LDL-receptor related protein; LRP-3; IDDM; diagnosis; endocytosis; insulin dependent diabetes mellitus; autoimmune disease;
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                                                                                                                                                                                                                            Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human mdm2 phosphorothioate oligodeoxynucleotide #36.
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                                                                                                                                                                                                                                                                                                                                   2344 AGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2344 AGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                                                       29 GCCTGTGTGCCCTGTGTGT 48
                                                                                                                                                                                                                                                                                                                                                                  20 AGTGCTGGGATTACAGGCAT 1
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                                                    10-FEB-1999 (first entry)
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                                                                                                      LRP5 exon primer 57-4 1r.
       AAV85762;
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AAZ37506/c
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                                                                                                                                                                                                                                                                                                                           Human; inflammatory bowel disease, Crohn's disease, ulcerative colitis, single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
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                                                                                                                                                                                                                                                                         Human inflammatory bowel disease associated polymorphic site #171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mutant human BRCA1 genomic DNA resulting from deletion 4 SeqID 30,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer SR1 used to prepare probes for diagnosing Alzheimer's.
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breast cancer susceptibility gene 1; BRCA1; repetitive Alu;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2345 GIGCIGGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2144 GATCTTGGCTCACTGCAAGCTCTGC 2168
1 GTGCTGGGATTANAGGTGTGAACCAC 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26 GTGCTGGGATTGCANGTGTGAGCCAC 1
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ID AAV85762 standard; DNA; 20 BP.
XX
                                                                                                                      AAH91096 standard; DNA; 26 BP
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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    20 AGACCATCTACCTCATCTAG 1
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AAZ37639/c
ID AAZ376:
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AAZ37608/
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antisense; modulation; oligonucleotide; expression; inhibition;
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                    174 TGGCCCGGAGAGTGA 193
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AAZ37566 standard; DNA; 20 BP.
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                                                                      Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                             1533 CAAGAAGATGTGAAAGAGTT 1552
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                                                                                                                      Human mdm2 phosphorothioate oligodeoxynucleotide #169.
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                     AAZ37639;
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                                                                 Human mdm2 phosphorothioate oligodeoxynucleotide #17.
                                                                                                                                                                                                                                                                                                                                                                   1785 TAGTTGACCTGTCTATAAGA 1804
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AAZ37495/c
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AAZ37507/c
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1982 ATCCTTTACACCAACTCCTA 2001
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                                                                                                                                                                                                                                                                                                                                                             Human mdm2 phosphorothioate oligodeoxynucleotide #66.
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                                                                                                                                    294 ATGGTGAGGAGCAGGCAAAT 313
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                                                                                                                                                                      20 ATGGTGAGGAGCAGGCAAAT 1
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AAZ37539/c
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                                                              Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
Human mdm2 phosphorothioate oligodeoxynucleotide #88.
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Human mdm2 phosphorothioate oligodeoxynucleotide #200.
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                                                                                                Human mdm2 phosphorothioate oligodeoxynucleotide #144.
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AAZ37614/c
ID AAZ37614 standard; DNA; 20 BP.
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ID AAZ37616 standard; DNA; 20 BP.
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AAZ37670/C
ID AAZ3767
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AAZ37617/c
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      cancer;
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; antisense; modulation; oligonucleotide; expression; inhibition;
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ID AAZ37721 standard; DNA; 20 BP.
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AAZ37509;
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   0; Indels
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 0; Mismatches
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                            2198 TCAGCCTCCCAATTAGCTTG 2217
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                                                20 TCAGCCTCCCAATTAGCTTG 1
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Matches 20; Conservative
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ID AAZ3
XX AC AAZ3
XX DT 07-J,
XX E Huma:
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                                                                                                                                                                              Human mdm2 phosphorothioate oligodeoxynucleotide #39.
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AAZ37509 standard; DNA; 20 BP.
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AAZ37669 standard; DNA; 20
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Best Local Similarity 100.0%; Pred. No., 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
                                                                 2051 TITICITAAATATGTATATG 2070
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AAZ37510/c
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AAZ37511/c
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             Human mdm2 phosphorothioate oligodeoxynucleotide #199.
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ID AAZ37702 standard; DNA; 20 BP.
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RESULT 676 AAZ37581/c

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                   Human mdm2 phosphorothioate oligodeoxynucleotide #133.
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                                                                                                                                                                                                                                                                                         996 AGTGAACATTCAGGTGATTG 1015
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AAZ37623/c
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antisense; modulation; oligonucleotide; expression; inhibition;
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antisense, modulation, oligonucleotide, expression, inhibition,
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                                                                                                                                                                                                                               Human mdm2 phosphorothioate oligodeoxynucleotide #111.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  740 GGAAGAGAACCTTCATCTT 759
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AA237583/c
ID AA237583 standard; DNA; 20 BP.
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AAZ37603 standard; DNA; 20 BP.
                                                                       AAZ37581 standard; DNA; 20 BP.
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                                                                                 AAZ37662 standard; DNA; 20 BP.
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Matches
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AAZ37694/c
ID AAZ376;
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AC AAZ376;
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ID AAZ3
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                             1184 TGAAGAAGATCCTGAAATTT 1203
                                                                                                      20 TGAAGAAGATCCTGAAATTT 1
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  Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                          2210 TTAGCTTGGCCTACAGTCAT 2229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 GAGAGTGGAATGATCCCCGA 200
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                                                                                                                                      20 TTAGCTTGGCCTACAGTCAT 1
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                                                                                                     Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                      Human mdm2 phosphorothioate oligodeoxynucleotide #224.
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                                                                                            Human mdm2 phosphorothioate oligodeoxynucleotide #140.
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ID AAZ37652 standard; DNA; 20 BP.
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AAZ37657/c
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20 AGTGCGTACGAGCGCCCAGT
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AAZ37610/c
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antisense; modulation; oligonucleotide; expression; inhibition;
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20 GCCAGGATGGTCTCGATCTC
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AAZ37478/c
ID AAZ37478 standard; DNA; 20 BP.
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AAZ37517/c
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KW antisense; modulation; oligonucleotide; expression; inhibition;
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antisense, modulation, oligonucleotide, expression, inhibition,
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                                           Query Match
0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                              1560 GAAGAACCCAAGACAAAGA 1579
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AAZ37682/c
ID AAZ37682 standard; DNA; 20 BP.
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AAZ37713/C 1D AAZ3 XX AC AAZ3 XX DT 07-JJ XX DB Human XX Human XW Human XW Human

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                   Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                              490 ATATTATGACTAAACGATTA 509
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                                                                                                                                                                                         20 ATATTATGACTAAACGATTA 1
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                                                                                                                                                                                                                                                                                                                             AAZ37573 standard; DNA; 20 BP
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AAZ37620/
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                                                                                                                                                            Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                              Human mdm2 phosphorothioate oligodeoxynucleotide #64.
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                                                                                                                                                                                                                                                                                                                           304 GCAGGCAAATGTGCAATACC 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            334 TACCTACTGATGGTGCTGTA 353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            403 AGCCATTGCTTTTGAAGTTA 422
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ID AAZ37546 standard; DNA; 20 BP.
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AC AAZ37546;
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AAZ37556 standard; DNA; 20 BP.
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                                                                   07-JAN-2000 (first entry)
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                        AAZ37534;
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                                                                                                                                                         Human mdm2 phosphorothioate oligodeoxynucleotide #268.
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                                                                                                                                                                                                                                                                                                                                                                                 2351 GGATTACAGGCATGAGCCAC 2370
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       AAZ37738 standard; DNA; 20 BP
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ID AAZ37481 standard; DNA; 20 BP
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ID AAZ37488 standard; DNA; 20 BP.
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antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                                                                                                                                                                                                                                             Human mdm2 phosphorothioate oligodeoxynucleotide #193.
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1489 ACTATTCTCAGCCATCAACT 1508
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                         20 ACTATTCTCAGCCATCAACT 1
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AAZ37722 standard; DNA; 20 BP.
                                                                                                                                                                        AAZ37663 standard; DNA; 20 BP
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RESULT 717 AAZ37703/c

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Human mdm2 phosphorothioate oligodeoxynucleotide #18.

RESULT 719 AAZ37738/c

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422 ATTAAAGTCTGTTGGTGCAC 441
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                                        20 ATTAAAGTCTGTTGGTGCAC 1
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                                                                                                               AAZ37579 standard; DNA; 20 BP.
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ID AAZ3
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           Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                     Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                            1818 CTAACTATATAACCCTAGGA 1837
                                                                                                                                                                                                                                                                                                                                                                                                                               308 GCAAATGTGCAATACCAACA 327
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                                                             Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Human mdm2 phosphorothioate oligodeoxynucleotide #109.
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20 TTCATCTTCACATTTGGTTT 1
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03;
       Human mdm2 phosphorothioate oligodeoxynucleotide #170.
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                                                                                                     Human mdm2 phosphorothioate oligodeoxynucleotide #139.
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                  Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                   1401 AAAACTATAGTGAATGATTC 1420
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AAZ37642 standard; DNA; 20 BP.
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ID AAZ37645 standard; DNA; 20 BP
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cancer;

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53;
antisense; modulation; oligonucleotide; expression; inhibition;
                                                                                                          Human mdm2 phosphorothioate oligodeoxynucleotide #246.
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AAZ37476/c
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0; Mismatches
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                       1745 TAGACCAATTCAAATGA 1764
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antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                              2253 TITGIACTITIAGIAGAGAC 2272
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Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                  20 GTGTCGGAAAGATGGAGC 1
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                        Human mdm2 phosphorothioate oligodeoxynucleotide #15.
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                                                                                                                                                                                                                                    1695 TTTACATGTGCAAAGAAGCT 1714
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AAZ37619/c
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                                                                                                                                                                                                                      Human mdm2 phosphorothioate oligodeoxynucleotide #102.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  634 TAGTAGTCAATCAGCAGGAA 653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 TAGTAGTCAATCAGCAGGAA 1
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ID AAZ37611 standard; DNA; 20 BP.
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AC AAZ37611;
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                                                                AAZ37572 standard; DNA; 20 BP.
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                                                                                                                    AAZ37572
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                                         AAZ37572/c
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                                                       Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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larity 100.0%; Pred. No. 1.8e+03;
Conservative 0; Mismatches 0; Indels
                                                                                                                                         Human mdm2 phosphorothioate oligodeoxynucleotide #141.
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                                                                                                                                                                                                                                                        1068 TCTCTCGACTCAGAAGATTA 1087
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                                                                                                                                                                                                                                                                                           20 ICTCTCGACTCAGAAGATTA 1
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Human mdm2 gene; proliferation, tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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ID AAZ37479 standard; DNA; 20 BP.
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ID AAZ37678 standard; DNA; 20 BP.
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AAZ37482/c
ID AAZ3748
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AC AAZ3748
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antisense; modulation; oligonucleotide; expression; inhibition;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                     Human mdm2 phosphorothioate oligodeoxynucleotide #186.
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                                                                                        1550 GTTTGAAAGGGAAGAACCC 1569
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ID AAZ37656 standard; DNA; 20 BP.
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AAZ37660/c
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AC AAZ3766
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AAZ37658/c
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                     Query Match

0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                             Human mdm2 phosphorothioate oligodeoxynucleotide #67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human mdm2 phosphorothioate oligodeoxynucleotide #81.
                                                                                       297 GTGAGGAGCAGGCAAATGTG 316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    307 GGCAAATGTGCAATACCAAC 326
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                                                                                                         20 GTGAGGAGCAGGCAAATGTG 1
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AAZ37596 standard; DNA; 20 BP.
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AAZ37537 standard; DNA; 20
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                Human mdm2 phosphorothioate oligodeoxynucleotide #12.
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                                                                                                                                                                                                     617 GATCTACAGGAACTTGGTAG 636
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                                                                                                                                                                                                                           20 GATCTACAGGAACTTGGTAG 1
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ID AAZ37505 standard; DNA; 20 BP.
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                 07-JAN-2000 (first entry)
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RESULT 76 AAZ37599/

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                             Human mdm2 phosphorothioate oligodeoxynucleotide #191.
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                                                                                                                                                                                                                                                                                                     1617 GAACCTTGTGTGATTTGTCA 1636
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       AAZ37661;
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Matches
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AAZ37696/c
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                                                                                                                                                                                                                                                   Human mdm2 phosphorothioate oligodeoxynucleotide #129.
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20 ATAAGGGAGATATGTTGTGA 1
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ID AAZ37661 standard; DNA; 20 BP.
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                                                                                                             AAZ37599 standard; DNA; 20 BP
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Best Local Similarity
Matches 20; Conserva
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AAZ37636/C ID AAZ3. XX AC AAZ3. XX DT 07-JJ XX Huma: XW Huma: KW Huma:

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                     Human mdm2 phosphorothioate oligodeoxynucleotide #10.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         303 AGCAGGCAAATGTGCAATAC 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  289 CCCGGATGGTGAGGAGCAGG 308
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  20 CTCTGACCGAGATCCTGCTG 1
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AAZ37545/c
ID AAZ375
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                                                                                              RESULT 779
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ID AAZ3
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ID AAZ3
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                                                                                                                  2103 ACCGAGTCTTGCTCTTAC 2122
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                                                                                                                                                         20 ACCGAGTCTTGCTCTGTTAC 1
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AAZ37726/c
ID AAZ37726 standard; DNA; 20 BP.
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AAZ37475 standard; DNA; 20 BP.
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RESULT 778 AAZ37475/

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ID AAZ37621 standard; DNA; 20 BP.
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ID AAZ37676 standard; DNA; 20 BP.
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                       Human mdm2 phosphorothioate oligodeoxynucleotide #75
                                                                                                                                                                                                                                                                                                                                                323 CAACATGTCTGTACCTACTG 342
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             242 AGGAAACTGGGGAGTCTTGA 261
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1787 GTTGACCTGTCTATAAGAGA 1806
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                                                                                                                        593 AGAGCACAGGAAATATATA 612
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833 ATTATCTGGTGAACGACAAA 852
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                                                                                                               Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
         Human mdm2 phosphorothioate oligodeoxynucleotide #220.
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                                                                                                                                                                                                       1898 AGATTTCTTCTTTAGTAT 1917
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ID AAZ37560 standard; DNA; 20 BP.
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AAZ37733/c
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antisense, modulation, oligonucleotide, expression, inhibition,
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                                                                                                                                                        Human mdm2 phosphorothioate oligodeoxynucleotide #189.
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AAZ37659/c
ID AAZ37659 standard; DNA; 20 BP.
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ID AAZ37665 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                        880 CCCTTTCCTTTGATGAAGC 899
                          525 CAACATATTGTATATTGTTC 544
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AAZ37593 standard; DNA; 20 BP.
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20; Conservative
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antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                                                                                                   Human mdm2 phosphorothioate oligodeoxynucleotide #197.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  1684 TTATGGCCTGCTTTACATGT 1703
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AAZ37667 standard; DNA; 20 BP.
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                                                       311 AATGTGCAATACCAACATGT 330
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AAZ37548/c
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AAZ37576/c
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                Human mdm2 phosphorothioate oligodeoxynucleotide #254.
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                                                                                                                                                                           2213 GCTTGGCCTACAGTCATCTG 2232
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AAZ37736 standard; DNA; 20 BP.
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RESULT 822 AAZ37580,

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                         Human mdm2 phosphorothioate oligodeoxynucleotide #164.
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AA237634/c
ID AA237634 standard, DNA, 20 BP.
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AC AA237634;
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                                                         AAZ37580 standard; DNA; 20 BP.
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RESULT 824 AAZ37625/c

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                                                  AAZ37535 standard; DNA; 20
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ID AAZ3759
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AC AAZ3759
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AAZ37535/c
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1 Similarity 100.0%; Pred. No. 1.8e+03; 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                     Human mdm2 phosphorothioate oligodeoxynucleotide #242.
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                                              2004 TITAAATAATTICIACICIG 2023
                                                            20 TITAAATAATITCTACTCTG 1
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ID AAZ37712 standard; DNA; 20 BP.
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AAZ37486 standard; DNA; 20 BP.
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AAZ37513 standard; DNA; 20 BP.
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                                                      Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Human mdm2 phosphorothioate oligodeoxynucleotide #65.
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                                       Human mdm2 phosphorothioate oligodeoxynucleotide #121.
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                                                                                                                                                                     857 ACGCCACAAATCTGATAGTA 876
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          07-JAN-2000 (first entry)
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AAZ37605/c
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AAZ37595/c
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                Human mdm2 phosphorothioate oligodeoxynucleotide #258.
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AAZ37728 standard; DNA; 20 BP.
20 TGAAATTTATTCACATATAT
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AAZ37708 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ37700 standard; DNA; 20 BP
                                                                                  1686/c
AAZ37686 standard; DNA; 20
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AAZ37728/C
ID AAZ377X
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AAZ37708/c
                                                           RESULT 842
                                                                              AAZ37686,
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                                                                                                                             Human mdm2 phosphorothioate oligodeoxynucleotide #50.
                                                                                                                                                                                                                                                                                                                                                                    202 GCCCAGGCGTCGTGCTTCC 221
                                                                                                                                                                                                                                                                                                                                                                                        20 GCCCAGGGCGTCGTGCTTCC 1
   20 CCAGTGCCTGGCCCGGAGA 1
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AAZ37521/c
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                                                                                    37 GGCCCTGTGTGTCGGAAGA 56
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Human mdm2 phosphorothioate oligodeoxynucleotide #51.
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                                                                                                                                                                                                                                                                               208 GGCGTCGTGCTTCCGCAGTA 227
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AAZ37532/c
ID AAZ37532 standard, DNA; 20 BP.
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                                      496 TGACTAAACGATTATATGAT 515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          538 ATTGTTCAAATGATCTTCTA 557
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                                                                                                                                         20 TGACTAAACGATTATATGAT 1
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                                                                                 Human mdm2 phosphorothioate oligodeoxymucleotide #62.
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                                                                                                                                                                                                                                 477 TATCTTGGCCAGTATATTAT 496
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AAZ37557 standard; DNA; 20 BP.
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AAZ37557/c
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                                                                                                                                               Human mdm2 phosphorothioate oligodeoxynucleotide #174.
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ID AAZ37698 standard; DNA; 20 BP.
       AAZ37644 Standard; DNA; 20 BP
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AAZ37711 standard; DNA; 20 BP.
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                                                    AAZ37644;
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AAZ37711/c
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                                                                                                                                                                                                                                                                                                     Human mdm2 phosphorothioate oligodeoxynucleotide #143.
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AZ37626/C

XA AAZ37626 standard; DNA; 20 BP. X

AC AAZ37626;

XX O7-JAN-2000 (first entry)

XX DE Human mdm2 phosphorothioate olig

XX W Human mdm2 gene; proliferation;

XX W antisense; modulation; oligonucl
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Human mdm2 phosphorothioate oligodeoxynucleotide #241.

RESULT 865 AAZ37644/c

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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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      2298 GGTCTCGATCTCCTGACCTC 2317
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                               20 GGTCTCGATCTCCTGACCTC 1
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AAZ37563/c
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                            2111 TIGCICTGTTACCCAGGCTG 2130
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AAZ37718 standard; DNA; 20 BP.
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AAZ37725 standard; DNA; 20 BP.
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AAZ37732 standard; DNA; 20 BP.
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ID AAZ3
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Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer;
antisense; modulation; oligonucleotide; expression; inhibition;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
          Human mdm2 phosphorothioate oligodeoxynucleotide #148.
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                                                                                                                                                                                                                                           1124 AGATGATGAGGTATATCAAG 1143
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ID AAZ37655 standard; DNA; 20 BP.
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ID AAZ37692 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                    Human mdm2 gene; proliferation; tumour; phosphorothioate; p53; cancer; antisense; modulation; oligonucleotide; expression; inhibition;
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                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                    Human mdm2 phosphorothioate oligodeoxynucleotide #108.
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20 TGGGAGTGATCAAAAGGACC 1
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RESULT 882

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MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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                                                                                                                                                         Antisense oligonucleotide AS6 directed against MDM2 encoding RNA.
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                                                                                                                                                                                                                                                                                                                                 685 ACAGGTGTCACCTTGAAGGT 704
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                                        AAX35125 standard; DNA; 20 BP.
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AAX35110
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  0; Indels
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0; Mismatches
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                                    1908 TCTTTAGTATAGTCTA 1927
                                                       20 TCTTTAGTATAATTGACCTA 1
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AAZ37737/C
ID AAZ37737 standard; DNA; 20 BP.
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ID AAZ37697 standard; DNA; 20 BP.
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Matches 20; Conservative
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MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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; Pred. No. 1.8e+03; 0; Mismatches 0;
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                                                                            369 CCAGCTTCGGAACAAGAGAC 388
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                                                                                                              1 CCAGCTTCGGAACAAGAGAC 20
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Best Local Similarity 100.0%;
Matches 20; Conservative 0
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                            Matches
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                                                                      MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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              Antisense oligonucleotide S5-6 directed against MDM2 encoding RNA.
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AAX35132 standard; DNA; 20 BP.
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01-JUL-1999 (first entry)
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                    AAX35139 standard; DNA; 20 BP.
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AAX35094
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AC AAX3509
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                                                                             MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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Antisense oligonucleotide S4 directed against MDM2 encoding RNA.
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AAX35119/c
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                            1018 TGGATCAGGATTCAGTTTCA 1037
                                                                                                                                                                                                                                                                                                                                                                                                             1230 TCATGCAATGAAATGAATCC 1249
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AAX35126 standard; DNA; 20 BP.
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AAX35096
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                                              MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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                                        Antisense oligonucleotide AS4 directed against MDM2 encoding RNA.
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                  MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Gaps
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                                                                                                                                                                                                                                          Antisense oligonucleotide S5-3 directed against MDM2 encoding RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense oligonucleotide AS3 directed against MDM2 encoding RNA
                                                                                                                                                                                                                                                                                                                                      cuery Match 0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                     780 TCTACCTCATCTAGAAGGAG 799
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       717 AAGGACCTTGTACAAGAGCT 736
1 ATTCAGTTTCAGATCAGTTT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 AAGGACCTTGTACAAGAGCT 1
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AAX35109
ID AAX35109 standard; DNA; 20 BP.
XX
                                                                                                         AAX35107 standard; DNA; 20 BP
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                                                                                                                                                      AAX35107;
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RESULT 917

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Uncoupling protein 5; UCP5; metabolism; chromosome 10q23-25; H+ leak; metabolic rate; obesity; stroke; trauma; burn trauma; sepsis; infection;
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                                                                                                                                                                                                                                                                                                                      Autoimmune disease; polymorphic microsatellite repeat; PMR; CD28 gene; ICOS gene; CTLA4 gene; costimulatory receptor gene locus; CGRL; lupus;
                                                                                                                                                                                                                                                                           Primer used to amplify a sara43/44 polymorphic microsatellite repeat.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Uncoupling protein isoform UCP5SI nucleotide sequence PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2122 CCCAGGCTGGAGTGCAGTGG 2141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1531 GCCAAGAAGATGTGAAAGAG 1550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2349 TGGGATTACAGGCATGAGCC 2368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCCAAGAAGATGTGAAAGAG 20
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    20 TAGTAGAGACAGGGTTTCAC 1
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AAA14945/c
ID AAA14945 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAZ89373 standard; DNA; 20 BP.
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                                                                                                                                        AAA96410 standard; DNA; 20 BP
                                                                                                                                                                                                                                 08-FEB-2001 (first entry)
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                                                                                                                                                                                    AAA96410;
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AAA28013
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                                                                                                                   AAA96410/
ID AAA9
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XX AAA9
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XX AAUC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MDM2 protein; antisense oligonucleotide; activate; tumour suppressor; inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antisense oligonucleotide AS7-2 directed against MDM2 encoding RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Alzheimer's disease; primer; dihydrolipoamidosuccinyl transferase; mitochondria; alpha-ketoglutarate dehydrogenase; detection; ss.
inhibition; tumour growth; DNA-damaging agent; camptothecin; ss.
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                                            Query Match

0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1003 ATTCAGGTGATTGGTTGGAT 1022
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                                                                                                                                     675 GTGAGTGAGAACAGGTGTCA 694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            680 TGAGAACAGGTGTCACCTTG 699
                                                                                                                                                               20 GTGAGTGAGAACAGGTGTCA 1
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                                                                                                                                                                                                                                                                                                AAX35129 standard; DNA; 20 BP
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AAX35135;

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RESULT 924

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Pseudocyclic oligonucleotide; functional segment; protective segment; nucleic acid detection; mRNA cleavage; antisense therapy;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pseudocyclic oligonucleotide, functional segment, protective segment; nucleic acid detection; mRNA cleavage, antisense therapy; PCO;
                                                                 Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                675 GTGAGTGAGAACAGGTGTCA 694
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ID AAA97669 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                          7656/c
AAA97656 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human MDM2 PCR primer 2.
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11D AAA97
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AC AAA97
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DT 15-FF
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                                                                                                                                                      Chromosomal labelling; chromosomal band; IRS-PCR; Alu; LINE; karyotype; interspersed repeat sequence-polymerase chain reaction; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pseudocyclic oligonucleotide, functional segment, protective segment, nucleic acid detection; mRNA cleavage; antisense therapy; PCO;
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                                                                                                                                                                                                                                                                                Gaps
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                                                                                                               PCR primer SR1 used to amplify the repeated DNA sequences Alu.
                                                                                                                                                                                                                             Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                  676 TGAGTGAGAACAGGTGTCAC 695
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                                                                 08-AUG-2000
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                   AAA14945;
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Human; glycogen synthase kinase 3 alpha; antidiabetic; cytostatic; antisense therapy; diabetes; hyperproliferative disorder; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; full length cDNA; cDNA synthesis; oligo-capping; PCR primer; ss.
                                                                                                               Human glycogen synthase kinase 3 alpha antisense oligo ISIS #116649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oligo #7 used to produce ligand-conjugated oligomeric compounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ligand-conjugated oligomeric compound; aryl propionic acid; nucleic acid delivery; 88.
                                                                                                                                                                                                     Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2338 TCCCAAAGTGCTGGGATTAC 2357
                                                                                                                                                                                                                                                                                                     1 TCCCAAAGTGCTGGGATTAC 20
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   AAD14808 standard; DNA; 20 BP
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                                        AAD14808;
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                                                                                                                                                                                                                                                                                                                                                                                                          675 GTGAGTGAGAACAGGTGTCA 694
672 TCTGTGAGTGAGACAGGTG 691
                     20 TCTGTGAGTGAGAACAGGTG 1
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                                                                                                                          AAA97655 standard; DNA; 20 BP.
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AAA97668 standard; DNA; 20 BP.
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AAD14808
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                                                                                                                                                                                                                                                                                                                         Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss
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                                                                                                                                                                                                                                                                                  Human mdm2 phosphorothioate oligonucleotide #61.
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    296 GGTGAGGAGCAGCCAAATGT 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     302 GAGCAGGCAAATGTGCAATA 321
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                                20 GGTGAGGAGCAGGCAAATGT 1
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                                                                                                                                                    AAF80687 standard; DNA; 20 BP
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ID AAF80688 standard; DNA; 20 BP.
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                                                                                                                                    AAF80687,
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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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AAF80643/c
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AAF80629/c
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     Human mdm2 phosphorothioate oligonucleotide #101.
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ID AAF80705 standard; DNA; 20 BP.
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ID AAP80710 standard; DNA; 20 BP.
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Matches 20; Conservative
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100.0%; Pred. No. 1.8e+03; tive 0; Mismatches 0;
                                         1325 AGGGGAAATCTCTGAGAAAG 1344
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                                                          20 AGGGAAATCTCTGAGAAAG 1
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AAF80791/c
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AAF80817/C
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            Human mdm2 phosphorothioate oligonucleotide #152.
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AAF80784/c
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RESULT 968

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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                           Human mdm2 phosphorothioate oligonucleotide #216.
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ID AAF80845 standard; DNA; 20 BP.
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02-MAY-2001 (first entry)
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                                                           AAF80826 standard; DNA; 20 BP
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                                                           AAF80745 standard; DNA; 20
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AAF80745/c
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AAF80755/c
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Similarity 100.0%; Score 20; DB 1; Length 20; Similarity 100.0%; Pred. No. 1.8e+03; 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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                                                    2351 GGATTACAGGCATGAGCCAC 2370
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AAF80892 standard; DNA; 20 BP.
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AAF80638 standard; DNA; 20 BP.
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        Length 20;
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      Query Match
0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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ID AAF80859 standard; DNA; 20 BP.
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AAF80861/c
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                                              Human mdm2 phosphorothioate oligonucleotide #141.
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                                                                  Human mdm2 phosphorothioate oligonucleotide #20.
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ID AAF80715 standard; DNA; 20 BP.
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                                                                                                                                                                              Human mdm2 phosphorothioate oligonucleotide #257.
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ID AAF80646 standard; DNA; 20 BP.
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AAF80889 standard; DNA; 20 BP.
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AAF80634 standard; DNA; 20 BP.
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ID AAF80883 standard; DNA; 20
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Matches 20; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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ID AAF80803 standard; DNA; 20 BP.
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ID AAF80810 standard; DNA; 20 BP
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AAF80765/c
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                                                                                                                     566 GITTGGCGTGCCAAGCTTCT 585
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                                                                       Human mdm2 phosphorothioate oligonucleotide #184.
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AAF80831 standard; DNA; 20 BP.
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                                                                                               Human mdm2 phosphorothioate oligonucleotide #50.
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2116 CIGITACCCAGGCIGGAGIG 2135
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                                     20 AGAAGCAGTAGCAGTGAATC 1
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             Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss
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                                                                                                                       450 ACTIATACTATGAAAGAGGT 469
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ID AAF80751 standard; DNA; 20 BP.
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AAF80752/c
ID AAF80752 standard; DNA; 20 BP.
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             Human mdm2 phosphorothioate oligonucleotide #218.
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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AAF80857/c
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Matches 20; Conservative 0; Mismatches 0; Indels
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20 AAGCTAAAGAAAAGGAATAA 1
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                            Human mdm2 phosphorothioate oligonucleotide #56.
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20 TGAGGAGCAGGCAAATGTGC 1
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AAF80704/c
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0; Mismatches
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                                   105 GATCCTGCTGCTTTCGCAGC 124
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                                                   20 GATCCTGCTGCTTTCGCAGC 1
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             Human mdm2 phosphorothioate oligonucleotide #80.
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20 TTCATCTTCACATTTGGTTT 1
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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                     Human mdm2 phosphorothioate oligonucleotide #227.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                Human mdm2 phosphorothioate oligonucleotide #185.
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AAF80816 standard; DNA; 20 BP.
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AAF80811/c
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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                           301 GGAGCAGGCAAATGTGCAAT 320
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AAF80739/c
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                                                                     273 CTCCAAGCGCGAAAACCCCG 292
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AAF80637 standard; DNA; 20 BP.
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AAF80809 standard; DNA; 20 BP.
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                                                              AAF80668 standard; DNA; 20 BP
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Human mdm2 phosphorothioate oligonucleotide #88.
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AAF80887/c
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                                                                                     Human mdm2 phosphorothioate oligonucleotide #261.
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AAF80663 standard; DNA; 20 BP.
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AAF80665 standard; DNA; 20 BP.
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               AAF80887;
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                                                                                            Human mdm2 phosphorothioate oligonucleotide #203.
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AAF80851/c
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964 CGCCATCGAATCCGGATCTT 983
              20 CGCCATCGAATCCGGATCTT 1
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AAF80806 standard; DNA; 20 BP.
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AAF80829/c
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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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                593 AGAGCACAGGAAAATATATA 612
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                                    20 AGAGCACAGGAAAATATATA 1
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AAF80737 standard; DNA; 20
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                                                                                                                        2123 CCAGGCTGGAGTGCAGTGGG 2142
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20 ATTAAAGTCTGTTGGTGCAC 1
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                                Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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    Human mdm2 phosphorothioate oligonucleotide #195.
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                                                                                                                              1850 TGAAATTTATTCACATATAT 1869
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AAF80872/c
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                                                                                                Human mdm2 phosphorothioate oligonucleotide #151.
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AAF80821/C
LD AAF80821 standard; DNA; 20 BP.
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                 20 GCAAATGTGCAATACCAACA 1
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AAF80730/c
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                                   2176 GGGTTCGCACCATTCTCCTG 2195
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AAF80691 Btandard; DNA; 20 BP.
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AAF80876/c
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tive 0; Mismatches 0;
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           Human mdm2 phosphorothioate oligonucleotide #140.
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Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                 1077 TCAGAAGATTATAGCCTTAG 1096
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AAF80796 standard; DNA; 20 BP.
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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                          Human mdm2 phosphorothioate oligonucleotide #5.
                                                                                                                                                                                                                                 181 GAGAGTGGAATGATCCCCGA 200
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02-MAY-2001 (first entry)
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                                       AAF80870 standard; DNA; 20 BP.
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AAF80631 standard; DNA; 20 BP.
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                             299 GAGGAGCAGGCAAATGTGCA 318
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AAF80726 standard; DNA; 20 BP.
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Query Match 0.8%; Score 20; DB 1; Le Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
                                                                      1913 AGTATAATTGACCTACTTTG 1932
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                                                                                       20 AGTATAATTGACCTACTTTG 1
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AAF80664/c
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                                        Human mdm2 phosphorothioate oligonucleotide #173.
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AAF80833/c
ID AAF80833
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AC AAF80833
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Length 20;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                                          Human mdm2 phosphorothioate oligonucleotide #90.
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ID AAF80760 standard; DNA; 20
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AAF80773/c
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                       Human mdm2 phosphorothioate oligonucleotide #47,
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                                                                                                                                                                                                                                                                                 174 TGGCCCGGAGAGTGA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               313 TGTGCAATACCAACATGTCT 332
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AAF80716 standard; DNA; 20 BP.
 20 CAAGAAGCCGAGGG
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AAF80703 standard; DNA; 20 BP.
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                                                           MAF80673 standard; DNA; 20
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RESULT 1141 AAF80774/c

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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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20 GCCATCAACTICTAGTAGCA 1
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ID AAF80863 standard; DNA; 20 BP.
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Matches
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AAF80830/C
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AAF80804 standard; DNA; 20 BP.
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                                                                                                             2224 AGTCATCTGCCACCACCT 2243
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AAF80666 standard; DNA; 20 BP
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AAF80680/c
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                                                                         Human mdm2 phosphorothioate oligonucleotide #237.
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                                                                                                                                                                                                                                                                                                515 TGAGAAGCAACATATTG 534
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309 CAAATGTGCAATACCAACAT 328
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AAF80701 standard; DNA; 20 BP.
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Matches 20; Conservative 0; Mismatches 0; Indels
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                       20 ATCCTTTACACCAACTCCTA 1
                                                                                                                       AAF80862 standard; DNA; 20 BP.
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                                                                                                                     1100 AGAAGGACAAGAACTCTCAG 1119
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          Human mdm2 phosphorothioate oligonucleotide #85.
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                                                                                                                                                                                         496 TGACTAAACGATTATATGAT 515
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AAF80729 standard; DNA; 20
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                                                                                                                                                Human mdm2 phosphorothioate oligonucleotide #258.
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20 GTGCAATACCAACATGTCTG 1
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                                                                                                         Human mdm2 phosphorothioate oligonucleotide #260.
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                                                                                                                                                                                                                             331 CTGTACCTACTGATGGTGCT 350
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AAF80636/c
ID AAF80636
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AAF80640/C
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    RESULT 1177
                AAF80886/c
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ID AAF8
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0; Mismatches
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AAF80805/c
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Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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                                                                  306 AGGCAAATGTGCAATACCAA 325
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AAF80702/c
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                  Human mdm2 phosphorothioate oligonucleotide #14.
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RESULT 1183 AAF80690/c

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Antisense; mdm2; hyperproliferation; cancer; psoriasis; ss.
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                           Human mdm2 phosphorothioate oligonucleotide #176.
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AAF80808 standard; DNA; 20 BP.
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AAF80819/c
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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20 CAGGTGATTGGTTGGATCAG 1
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Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic; tumour; prophylaxis; antisense; ss.
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tumour; prophylaxis; antisense; 88.
                                                                                                                                                                                                                      Antisense, mdm2, hyperproliferation; cancer; psoriasis; ss.
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                                                                                                                                                                                                                                                                            Length 20;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human mdm2 antisense oligonucleotide (ISIS #16514).
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                                                                                                                                                                                   Human mdm2 phosphorothioate oligonucleotide #254.
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                             2232 GCCACCACCTGGCTAATT 2251
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          331 CTGTACCTACTGATGGTGCT 350
                                                                                                                                                                                                                                                                                                                                                                 20 GCCACCACCTGGCTAATT 1
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ID AAD07542 standard; DNA; 20 BP.
                                                                           AAF80880 standard; DNA; 20 BP
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AAD07543 standard; DNA; 20 BP.
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ID AAD07540 standard; DNA; 20
                                                                                                                                                02-MAY-2001 (first entry)
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                                          RESULT 1197
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Matches
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AC AAD0
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                          Human mdm2 phosphorothioate oligonucleotide #211.
                                                                      1702 GTGCAAAGAAGCTAAAGAAA 1721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1840 TTAGACCAGCAGAATTTAT 1859
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AAF80868/c
1D AAF80868 standard; DNA; 20 BP.
XX
AC AAF80868;
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DT 02-MAY-2001 (first entry)
XX
C AAF80868;
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KW Antisense; mdm2; hyperproliferat
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AAF80837 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                     AAF80837;
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Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic; tumour; prophylaxis; antisense; ss.
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tumour; prophylaxis; antisense; ss.
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                         Human mdm2 antisense oligonucleotide (ISIS #17615)
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
                                                                                2132 AGTGCAGTGGGTGATCTTGG 2151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 AGTGCAGTGGGTGATCTTGG 1
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                                                                                                                                                                                      RESULT 1204
                                                                                                                                                                                                         AAD07554/c
ID AAD075;
XX AC AAD075;
XX IO-AUG
XX
DB Human
XX
XX
KW Human;
KW Tumour
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ID AAD0
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                                                                           Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic;
tumour; prophylaxis; antisense; ss.
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                                    Human mdm2 antisense oligonucleotide (ISIS #16517)
                                                                                                                                                                                                                         1381 TTGATGTTCCTGATTGTAAA 1400
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                                                                                                                                                                                                                                                   20 TTGATGTTCCTGATTGTAAA 1
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AAD07537 standard; DNA; 20 BP.
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AAD07549 standard; DNA; 20 BP.
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AAD07550/c
ID AAD0755
                                                                                                                                 Best Local
Matches
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1D AAD0'
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AC AAD0'
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                                                                                                                                                                    Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic;
tumour; prophylaxis; antisense; ss.
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tumour; prophylaxis; antisense; ss.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                            Human mdm2 antisense oligonucleotide (ISIS #16515).
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                                                                                                                                                                                                                                                            617 GATCTACAGGAACTTGGTAG 636
                                                                                                                                                                                                                                                                                                                                   20 CTAACTATATAACCCTAGGA 1
                                                                                                                                                                                                                                                                             20 GATCTACAGGAACTTGGTAG 1
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20 GGCCCTGTGTCGGAAGA 1
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ID AAD07535 standard; DNA; 20 BP.
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                                                               AAD07541 standard; DNA; 20 BP
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                                                                                            Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic;
tumour; prophylaxis; antisense; ss.
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tumour, prophylaxis, antisense, 88.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                Human mdm2 antisense oligonucleotide (ISIS #16509).
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                                                                                                                                                                                                                                                                    147 ATTAGTGCGTACGAGCGCCC 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   295 TGGTGAGGAGCAGGCAAATG 314
                                                                                                                                                                                                                                                                                                   ATTAGTGCGTACGAGCGCCC 1
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10-AUG-2001 (first entry)
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2256 GTACTTTAGTAGAGACAGG 2275
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CTCTGACCGAGATCCTGCTG 1
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                                                                                           7536/c
AAD07536 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                       Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic;
tumour; prophylaxis; antisense; ss.
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tumour; prophylaxis; antisense; ss.
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                               Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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 tumour; prophylaxis; antisense; ss.
                                                                                                    1776 TATTICCCCTAGTIGACCIG 1795
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                                                                                                                          20 TATTTCCCCTAGTTGACCTG 1
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AAD07544 standard; DNA; 20 BP.
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                                                     Human; mdm2 inhibitor; gene therapy; cell proliferation; therapeutic; tumour; prophylaxis; antisense; ss.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Human mdm2 antisense oligonucleotide (ISIS #16510).
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AAH38246
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Antisense; phosphorothioate; human; telomeric repeat binding factor 2; inhibitor; premature aging; hyperproliferative disorder; cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human telomeric repeat binding factor 2 oligonucleotide 111432.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches .20; Conservative 0; Mismatches 0; Indels
                                                                              Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                            2292 CAGGATGGTCTCGATCTCCT 2311
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AAH20704/c
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                                                                                                                                                                                    Single nucleotide polymorphism, SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia, diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Single nucleotide polymorphism, SNP, single nucleotide primer extension, SNPE; genotyping, agammaglobulinaemia, diabetes insipidus; cancer;
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                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                 SNP specific lower PCR primer SEQ ID 1042.
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                                                                                                                                                                                                                                                                                                                                                                                2338 TCCCAAAGTGCTGGGATTAC 2357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2344 AGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                                                                                                                                                                                                                                                                                     1 TCCCAAAGTGCTGGGATTAC 20
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                                                                           14-AUG-2001
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                      AAH38246;
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                                                                                                             Human mdm2 antisense oligonucleotide 31726
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                                                                                                                                                                                                                                                                              477 TATCTTGGCCAGTATATTAT 496
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     AAS29324 standard; DNA; 20 BP
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                                                                           (first entry)
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                                                                                                                                                                                                                                      Human mdm2 antisense oligonucleotide 16521
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20 CTAACTATATAACCCTAGGA 1
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AAS29279 standard; DNA; 20 BP.
                                                                                                                            AAS29257 standard; DNA; 20 BP
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AAS29324/c
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Human mdm2 antisense oligonucleotide 31609.
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                                1850 TGAAATTTATTCACATATAT 1869
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                                                                    20 TGAAATTTATTCACATATAT 1
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AAS29467 standard; DNA; 20 BP.
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                     Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis, tumour, cytostatic, anti psoriatic,
                                                                                                     Query Match
0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                          1517 CATTATTATAGCAGCCAAG 1536
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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Matches 20; Conservative 0; Mismatches 0; Indels
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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          Human mdm2 antisense oligonucleotide 31713.
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                                                                                                                                               Human mdm2 antisense oligonucleotide 31780.
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RESULT 1243 AAS29274/c

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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                                Human mdm2 antisense oligonucleotide 31583.
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                                             AAS29401 standard; DNA; 20 BP
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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  0; Mismatches
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                                           600 AGGAAATATATACCATGAT 619
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  20; Conservative
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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                                             299 GAGGAGCAGGCAAATGTGCA 318
                                                                                                                                                                                                                                                                                                                                                                                                       490 ATATTATGACTAAACGATTA 509
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                                                                 20 GAGGAGCAGGCAAATGTGCA 1
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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               Human mdm2 antisense oligonucleotide 16515.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                       Human mdm2 antisense oligonucleotide 31765.
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21-NOV-2001 (first entry)
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                                                       AAS29383 standard; DNA; 20 BP
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AAS29418/C
ID AAS29416
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AC AAS29416
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               RESULT 1260
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AAS29393/c
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Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                Human mdm2 antisense oligonucleotide 31420.
                                                                                                                                                                                                                                                                                                              314 GTGCAATACCAACATGTCTG 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      372 GCTTCGGAACAAGAGCCCT 391
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                                                                    AAS29313 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                            AAS29318 standard; DNA; 20 BP.
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ID AAS2933
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AC AAS293
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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Ouery Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                 2202 CCTCCCAATTAGCTTGGCCT 2221
                                                                                                                                                                                                                                                                                                                                                                                                                         98 TGACCGAGATCCTGCTGCTT 117
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                                                                                     20 CCTCCCAATTAGCTTGGCCT 1
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AAS29293 standard; DNA; 20 BP.
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AAS29306 standard; DNA; 20 BP.
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XX AC AAS2
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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AAS29377/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                    Human mdm2 antisense oligonucleotide 31564.
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                                                                                                                                                                                                                                                                             575 GCCAAGCTTCTCTGTGAAAG 594
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                                                                                                                   Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                 Human mdm2 antisense oligonucleotide 31762.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human mdm2 antisense oligonucleotide 31776.
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                                                                                                                                                                                                                                                      1421 CAGAGAGTCATGTGTTGAGG 1440
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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20 TAGTGTAGAATTTGAAGTTG
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AAS29406 standard; DNA; 20 BP.
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                                                                                             AAS29395 standard; DNA; 20 BP
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AAS29406/c
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Query Match

Matches

)261/c AAS29261 standard, DNA, 20 BP.

RESULT 1287 AAS29261/c

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21-NOV-2001 (first entry)

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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                                                                                                                                                          Human mdm2 antisense oligonucleotide 31398.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      298 TGAGGAGCAGGCAAATGTGC 317
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atherosclerosis, tumour, cytostatic, anti psoriatic,
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  KW atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                    2133 GTGCAGTGGTGATCTTGGC 2152
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)277/c AAS29277 standard; DNA; 20 BP.

RESULT 1288

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(first entry)

21-NOV-2001

AAS29277;

AAS29287 standard; DNA; 20 BP

RESULT 1289

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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
Human, mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                Query Match 0.8%; Score 20; DB 1; Length Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Inde
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                                                                                                                                                                                                                                                                                                                         Human mdm2 antisense oligonucleotide 31753
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                                                                                                               727 TACAAGAGCTTCAGGAAGAG 746
                                                                                                                                 20 TACAAGAGCTTCAGGAAGAG 1
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AAS29388 standard; DNA; 20 BP
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                                                                                                          Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                            Human mdm2 antisense oligonucleotide 31414.
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                                                                                                                                                                                                                         308 GCAAATGTGCAATACCAACA 327
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AAS29480 standard; DNA; 20 BP.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                                                                                                                                               Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                         Human mdm2 antisense oligonucleotide 31455.
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1617 GAACCTTGTGTGATTTGTCA 1636
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                                                                                    AAS29430 standard; DNA; 20 BP
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RESULT 1303 AAS29480/c

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                                                                                                        Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                     Human mdm2 antisense oligonucleotide 31467.
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                                                                                                                                                                                                                                                                                                  2111 TTGCTCTGTTACCCAGGCTG 2130
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21-NOV-2001 (first entry)
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                       20 GATCCTGCTGCTTTCGCAGC 1
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                                                                                                                             273 CTCCAAGCGCGAAAACCCCG 292
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0.8%; Score 20; DB 1; Length 20;
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            Human mdm2 antisense oligonucleotide 31580.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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20 CGCCATCGAATCCGGATCTT 1
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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 0; Indels
                                                                                                                                                                                                                       Human mdm2 antisense oligonucleotide 31456.
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0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                           1667 TGGCAAACAGGACATCTTA 1686
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                             1368 GCTGAAGAGGCTTTGATGT 1387
                                         20 GCTGAAGAGGCTTTGATGT 1
                                                                                                                                                                                                                                                                                                                                                                           20 TGGCAAAACAGGACATCTTA 1
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AAS29459/c
ID AAS29459 standard; DNA; 20 BP.
                                                                                                                                AAS29434 standard; DNA; 20 BP
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20; Conservative
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AAS29437/c
Matches
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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  Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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                                                            242 AGGAAACTGGGGAGTCTTGA 261
                                                                                  20 AGGAAACTGGGGAGTCTTGA 1
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                      Human; mdm2; hyperproliferative disorder; cancer; psoriamis;
atheroscleromis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                  Human mdm2 antisense oligonucleotide 16508,
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AAS29272 standard; DNA; 20 BP.
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1736 CCCAGTATGTAGACCAA 1755
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                                                                                                                                                 20 CCCAGTATGTAGACAACCAA 1
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21-NOV-2001 (first entry)
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AAS29243/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                        Human mdm2 antisense oligonucleotide 31755.
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                                                                                                                                                                                                                  1449 GATAAATTACACAAGCTTC 1468
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                              AAS29394 standard; DNA; 20 BP.
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ID AAS2
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ID AAS2
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                                                              Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis, tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                                                                                                                              Query Match 0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Human mdm2 antisense oligonucleotide 31458.
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Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                               704 TGGGAGTGATCAAAAGGACC 723
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ID AAS29381 standard; DNA; 20 BP.
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                                                                        AAS29347 standard; DNA; 20
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AAS29385/C
ID AAS29385
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AC AAS29385
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                                                      AAS29347/
ID AAS2
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atherosclerosis, tumour, cytostatic, anti psoriatic,
Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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AAS29334 standard; DNA; 20 BP.
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AAS29345/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                         1506 ACTICIAGIAGCATIATITA 1525
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AAS29470 standard; DNA; 20
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AAS29466 standard; DNA; 20
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atherosclerosis; tumour; cytostatic; anti psorlatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                   Human mdm2 antisense oligonucleotide 31751.
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AAS29397 standard; DNA; 20 BP.
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21-NOV-2001 (first entry)
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                             Human mdm2 antisense oligonucleotide 31719.
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                                                                                                                                                                                                                                                                                       309 CAAATGTGCAATACCAACAT 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             296 GGTGAGGAGCAGGCAAATGT 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 GGTGAGGAGCAGGCAAATGT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                               AAS29296 standard; DNA; 20 BP.
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                                               21-NOV-2001 (first entry)
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      AAS29286;
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AAS29296/C
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AC AAS29296
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                                                                                            Human mdm2 antisense oligonucleotide 31466.
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20 ATCCTTTACACCAACTCCTA 1
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                                                                                                          AAS29477 standard; DNA; 20 BP
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Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                       Human mdm2 antisense oligonucleotide 31742.
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  20 AGGACCTTGTACAAGAGCTT 1
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AAS29435/c
ID AAS2943
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                      Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                      311 AATGTGCAATACCAACATGT 330
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AAS29326 standard; DNA; 20 BP.
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Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                              Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.88+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human mdm2 antisense oligonucleotide 31607.
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                                                                                                                                                              1808 TTATATATTTCTAACTATAT 1827
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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1908 TCTTTAGTATAATTGACCTA 1927
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                       2132 AGTGCAGTGGGTGATCTTGG 2151
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ID AAS29294 standard; DNA; 20
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AAS29352/c
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AC AAS29352
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AC AAS29352
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KW HUMAN; TKW HUMAN; TKW ALWALVS
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                                                     Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                Length 20;
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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Human mdm2 antisense oligonucleotide 31757.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                     Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                                                      Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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       Human mdm2 antisense oligonucleotide 31625.
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                                                                                                                                                          2213 GCTTGGCCTACAGTCATCTG 2232
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                        Human mdm2 antisense oligonucleotide 31763.
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                                                                                                                                                                                                                                                                             1439 GGAAAATGATGATAAAATTA 1458
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                                                                                                                                                                                                                                                                                                   20 GGAAATGATGATAAAATTA 1
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AAS29413/c
ID AAS29413 Btandard; DNA; 20 BP.
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AAS29493 standard; DNA; 20 BP.
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AAS29493/c
ID AAS29495
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DT 21-NOV-2
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AAS29473/c
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AAS29488/c
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Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                      Human mdm2 antisense oligonucleotide 31440.
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            20 TAGAATTTGAAGTTGAATCT 1
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atherosclerosis, tumour, cytostatic, anti psoriatic,
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis, tumour, cytostatic, anti psoriatic,
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                                                                                                                                                                                                                                                      Human mdm2 antisense oligonucleotide 31561.
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0; Mismatches
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                               422 ATTAAAGTCTGTTGGTGCAC 441
                                                   20 ATTAMAGICIGITGGIGCAC 1
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Matches 20; Conservative
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AAS29323/c
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                                                1702 GTGCAAAGAAGCTAAAGAAA 1721
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atherosclerosis, tumour, cytostatic, anti psoriatic,
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
                                       Human mdm2 antisense oligonucleotide 31787.
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atheroscleromis, tumour, cytostatic, anti psoriatic,
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
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Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                               Human mdm2 antisense oligonucleotide 31559.
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                                                            AAS29317 standard; DNA; 20
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                                                                                        AAS29317;
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                                  RESULT 1416
AAS29317/c
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ID AAS2936
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AC AAS2936
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ID AAS29
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
th 0.8%; Score 20; DB 1; Length 20; Similarity 100.0%; Pred. No. 1.8e+03; 20; Conservative 0; Mismatches 0; Indels
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                                                      302 GAGCAGGCAAATGTGCAATA 321
                                                                                                                                                                                                                                                                                                                                                                                           20 GGCGTCGTGCTTCCGCAGTA 1
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ID AAS29302 standard; DNA; 20 BP.
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AAS29290 standard; DNA; 20 BP.
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Query Match
Best Local S:
Matches 20
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RESULT 1420 AAS29391/c

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Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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  Length 20;
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    DB 1; Le
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Query Match 0.8%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.8 Matches 20; Conservative 0; Mismatches
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                                                                                              2191 TCCTGCCTCAGCCTCCCAAT 2210
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AAS29246/c
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                                                                                         Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                              Human mdm2 antisense oligonucleotide 31743.
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21-NOV-2001 (first entry)
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                             Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                  Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
                                                                           Human mdm2 antisense oligonucleotide 31730.
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                                                                                                                                                                                                                                             549 GATCTTCTAGGAGATTTGTT 568
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                                                                                                                                                                                                                                                                   20 GATCTTCTAGGAGATTTGTT 1
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AAS29374 standard; DNA; 20 BP
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 AAS29332;
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AAS29376/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                          Human mdm2 antisense oligonucleotide 31412.
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20 CAGGCAAATGTGCAATACCA 1
                                                                             )305/c
AAS29305 standard; DNA; 20 BP.
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Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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CTTAATGCCATTGAACCTTG 1
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ID AAS29283 standard; DNA; 20 BP.
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Best Local Similarity
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AAS29468/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                        Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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KW atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                1034 TTCAGATCAGTTTAGTGTAG 1053
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                                                                                                                                                                20 TTCAGATCAGTTTAGTGTAG 1
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AAS29389/c
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RESULT 1434

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Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                         Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                            983 TGATGCTGGTGTAAGTGAAC 1002
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                                                                                                                                      Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                  Human mdm2 antisense oligonucleotide 31396.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human mdm2 antisense oligonucleotide 31416.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human mdm2 antisense oligonucleotide 31438.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human mdm2 antisense oligonucleotide 31729
                                                                                                                                                                                                                                                                                     113 TGCTTTCGCAGCCAGGAGCA 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             310 AAATGTGCAATACCAACATG 329
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                                                                                                                                                                                                                                                                                                          20 TGCTTTCGCAGCCAGGAGCA 1
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                                                         21-NOV-2001 (first entry)
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                   AAS29283;
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RESULT 1442

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Human; mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis, tumour, cytostatic, anti psoriatic,
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                                                                                                                                      Human mdm2 antisense oligonucleotide 31461.
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                                                                                                                                                                                                                                                                                                                            1865 TATATCAAAGTGAGAAATG 1884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2015 TCTACTCTGTCTTAAATGAG 2034
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             AAS29455 standard; DNA; 20 BP.
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                                                                                               (first entry)
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                                                                                                                              Human mdm2 antisense oligonucleotide 31453.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human mdm2 antisense oligonucleotide 31768.
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    1560 GAAGAACCCAAGACAAGA 1579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1798 TATAAGAGAATTATATATT 1817
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                                                                                                                                      423/c
AAS29423 standard; DNA; 20 BP.
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AAS29446/c
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AAS29455/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                              Human mdm2 antisense oligonucleotide 31403.
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  2298 GGTCTCGATCTCCTGACCTC 2317
                                                                                                                                                                                                                                                                                                                                                                                                                                              297 GTGAGGAGCAGGCAAATGTG 316
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                            20 GGTCTCGATCTCCTGACCTC 1
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Human, mdm2; hyperproliferative disorder; cancer; psoriasis;
atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                       Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                           20 TCTTGGCTCACTGCAAGCTC 1
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AAS29501 standard; DNA; 20 BP
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                                         Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
       Human mdm2 antisense oligonucleotide 31588.
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                                                                                                                                                                                1481 AAGTGAAGACTATTCTCAGC 1500
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                                                                                                                                                                                                    20 AAGTGAAGACTATTCTCAGC 1
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                    Human mdm2 antisense oligonucleotide 31433.
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AAS29356/c
ID AAS29356 standard; DNA; 20 BP.
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AAS29417/c
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ID AAS2
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                        AAS29275 standard; DNA; 20
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AAS29327/C
ID AAS29327
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AC AAS29327
XD T 21-NOV-2
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AAS29289/c
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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     0; Mismatches
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                                                        1832 CTAGGAATTTAGACAACCTG 1851
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                                                                                   20 CTAGGAATTTAGACAACCTG 1
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ID AAS29255 standard; DNA; 20 BP.
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20; Conservative
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AAS29479/c
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AAS29254/c
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21-NOV-2001 (first entry)

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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                 Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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                                                                            927 TGTTGTGAAAGAAGCAGTAG 946
                                                                                                           20 TGTTGTGAAAGAAGCAGTAG 1
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atherosclerosis; tumour; cytostatic; anti psoriatic;
                                                                     Human; mdm2; hyperproliferative disorder; cancer; psoriasis; atherosclerosis; tumour; cytostatic; anti psoriatic;
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                          Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                          Human mdm2 antisense oligonucleotide 31562.
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                                                                                                                                                                                                                                  503 ACGATTATATGATGAGGAGC 522
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                                                                                                                                                                                                                                                         20 ACGATTATATGATGAGAAGC 1
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AAS29354 standard; DNA; 20 BP.
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RESULT 1479 AAS29469/c ID AAS2946

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Muscular; cytostatic; nootropic; neuroprotective; ophthalmological; antilipaemic; osteopathic; caspase 6; Rieger's syndrome; bone metabolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome; PCR primer; ss.
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                                                                                                                                    Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                 2340 CCAAAGTGCTGGGATTACAG 2359
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ABL44004
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atherosclerosis; tumour; cytostatic; anti psoriatic;
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                                                                                                                                                                      Human mdm2 antisense oligonucleotide 31778.
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ID AAS29494 standard; DNA; 20 BP. XX
AC AAS29494; XX
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DT 21-NOV-2001 (first entry)
XX
DB Human mdm2 antisense oligonucleo
XX
XX
W Human; mdm2, hyperproliferative (XM Atherosclerosis; tumour; cytosta)
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AAS29469 standard; DNA; 20 BP.
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Query Match

RESULT 1480

δ g AAS29481/(
ID AAS2:
XX AC AAS2:
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Best Local Matches

è 셤 RESULT 1481

RESULT 1482

ઠે 셤 AAL40351 ID AAL4 XX AC AAL4 XX

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Gaps

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RESULT 1486

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Human; fluorescent labelling technique, fluorescent intercalating dye; nucleic acid detection; electrophoresis; diagnostic assay;
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breast; ovary; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide linked oligomeric compound associated oligonucleotide #2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide linked oligomeric compound, diagnostic, therapeutic, research reagent; protein production inhibitor;
                                                                                                                                                                                                                                                                      PCR primer Alu3, for human DNA derived from chromosome 21
                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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|||||||||||||||||||||||||||||||||1 TCCCAAAGTGCTGGGATTAC 20
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ID ACD27753 standard; DNA; 20 BP.
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                                                                                                            ABK91100 standard; DNA; 20
                                                                                                                                                                                                                   05-DEC-2002 (first entry)
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                                                                                                                                                               ABK91100;
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AAL60008/c
ID AAL60008
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AC AAL60000
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ABZ79385
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                                                                                 ABK91100,
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MDM-2; peptide linked oligomeric compound; se; human; phosphorothioate 2'-O-MOE gapmer oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Reverse PCR primer for polymorphism 506B13CA1
                                                                                                    2338 TCCCAAAGTGCTGGGATTAC 2357
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                                                                                                                                                                                                                                                                                                                                                                                                                                                496 TGACTAAACGATTATATGAT 515
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                                                                                 208 GGCGTCGTGCTTCCGCAGTA 227
                                                                                                    20 GGCGTCGTGCTTCCGCAGTA 1
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                                                                                                                             Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
                                                 Human GH-1 gene amplifying PCR primer, CRV156.1pl.
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ADD21486 standard; DNA; 20 BP.
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                                                                                                      Human mdm2 antisense oligonucleotide #142.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human mdm2 antisense oligonucleotide #159.
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                                                                                                                                                                                                                                                                                                                    1092 CTTAGTGAAGAAGGACAAGA 1111
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ID ADDZ1616 standard, DNA; 20 BP.
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                                                      15-JAN-2004 (first entry)
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       ADD21579;
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ADD21634/c
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 996 AGTGAACATTCAGGTGATTG 1015
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20 ATTATCTGGTGAACGACAAA 1
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ID ADD21579 standard; DNA; 20 BP.
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                                                                                                                     ADD21555 standard; DNA; 20 BP.
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Matches 20; Conserva
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                                                                                                                                                                                                                                    Human mdm2 antisense oligonucleotide #265.
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                                                                                                                                                                                                                                                                                                                                                                                                                                            2341 CAAAGTGCTGGGATTACAGG 2360
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  20 TTTATTCACATATATCAAAG 1
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ADD21734/c
ID ADD21734 standard; DNA; 20 BP.
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ADD21719/c
                                                                                      RESULT 1509
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                                    Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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KW hyperproliferative disorder; cancer; psoriasis; fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                Human mdm2 antisense oligonucleotide #204.
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                                                                                                                         1702 GTGCAAAGAAGCTAAAGAAA 1721
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                                                                                                                                              20 GTGCAAAGAAGCTAAAGAAA 1
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ADD21646 standard; DNA; 20 BP.
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ADD21650 standard; DNA; 20 BP.
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ADD21646/c
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                                                                 Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human mdm2 antisense oligonucleotide #14.
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                                                                                                                                                             1 GCACCGCGCGAGCTTGGCTG 20
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ADD21451/c
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                                                                                                               Human mdm2 antisense oligonucleotide #290.
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                                                                                                                                                                                                                                                                                                                      1230 TCATGCAATGAAATGAATCC 1249
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ADD21750 standard; DNA; 20 BP.
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                                                                                                                        Human mdm2 antisense oligonucleotide #214.
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                                                                                                                                                                                                                                                                                                      1865 TATATCAAAGTGAGAAATG 1884
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    ADD21651 standard; DNA; 20 BP
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971 GAATCCGGATCTTGATGCTG 990
                  20 GAATCCGGATCTTGATGCTG 1
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ADD21627 standard; DNA; 20 BP.
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ADD21651/c
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                                                                                                                                                                                                                                                                                                                            Human mdm2 antisense oligonucleotide #8.
     1782 CCCTAGTTGACCTGTCTATA 1801
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                                 20 CCCTAGTTGACCTGTCTATA 1
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ADD21493/c
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antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human mdm2 antisense oligonucleotide #284.
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                                                                                                                                                                      482 TGGCCAGTATATTATGACTA 501
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ADD21733/c
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
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Matches 20; Conservative 0; Mismatches 0; Indels
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       Human mdm2 antisense oligonucleotide #103.
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                                                                                                                             Human mdm2 antisense oligonucleotide #68.
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                                                                                                                                                                                                                                                                                         310 AAATGTGCAATACCAACATG 329
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ADD21505/c
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ADD21540/c
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                                                                                                                                                                         Human mdm2 antisense oligonucleotide #188.
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                                            ADD21625 standard; DNA; 20 BP
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ADD21628/c
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                                         1051 TAGAATTTGAAGTTGAATCT 1070
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                                               366 ATTCCAGCTTCGGAACAAGA 385
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ADD21741/c
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ADD21743/c
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ADD21450/c
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              Human mdm2 antisense oligonucleotide #231.
                                                                                                                                                       1997 TCCTAATTTTAAATTTC 2016
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ADD21685 standard; DNA; 20 BP.
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                                                Human mdm2 antisense oligonucleotide #84.
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                                                                                                                                                                                                                                                                                                                                                                                                        37 GGCCCTGTGTGTCGGAAGA 56
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                                                                   ADD21460 standard; DNA; 20 BP.
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                        Human mdm2 antisense oligonucleotide #193.
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ADD21630/c
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                           1257 CCATCACATTGCAACAGATG 1276
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                                                                                 20 CCATCACATTGCAACAGATG 1
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ADD21618 standard; DNA; 20 BP.
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ADD21620 standard; DNA; 20 BP.
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0.8%; Score 20; DB 1; Length 20;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
  Length 20;
Query Match 0.8%; Score 20; DB 1; Le Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                            331 CTGTACCTACTGATGGTGCT 350
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                                                    Human mdm2 antisense oligonucleotide #215.
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                                                                                                                                                                                                                                                                                            1872 AAGTGAGAAAATGCCTCAAT 1891
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                                                               Human mdm2 antisense oligonucleotide #97.
                                                                                                                                                                                                    600 AGGAAATATATACCATGAT 619
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ADD21546 standard; DNA; 20 BP
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ADD21556/c
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                                                                                                                                                                   Human mdm2 antisense oligonucleotide #90.
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                                                                                                                                                                                                                                                                                                          538 ATTGTTCAAATGATCTTCTA 557
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 20 GGTTAGACCAAAGCCATTGC
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ADD21529 standard; DNA; 20 BP.
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                                                                        ADD21527 standard; DNA; 20 BP
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ADD21529/c
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                                                                                                                                                                                                                                                                                                 Human mdm2 antisense oligonucleotide #295.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1642 GACCTAAAAATGGTTGCATT 1661
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 GACCTAAAAATGGTTGCATT 1
    20 TTGCTCTGTTACCCAGGCTG 1
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ADD21474/c
ID ADD21474 standard; DNA; 20 BP.
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Matches
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                                               / Match 0.8%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 1.8e+03; nes 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                1412 GAATGATTCCAGAGAGTCAT 1431
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                                                                                                                                                                            20 GAATGATTCCAGAGAGTCAT 1
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ADD21669 standard; DNA; 20 BP.
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antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches. 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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                                                                                                                             361 CACAGATTCCAGCTTCGGAA 380
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                                                                                                                                                                               Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                      Human mdm2 antisense oligonucleotide #37.
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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0.8%; Score 20; DB 1; Length 20;
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Matches 20; Conservative 0; Mismatches 0; Indels
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                           Human mdm2 antisense oligonucleotide #152.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human mdm2 antisense oligonucleotide #110.
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682 AGAACAGGTGTCACCTTGAA 701
                                  20 AGAACAGGTGTCACCTTGAA 1
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ADD21563 standard; DNA; 20 BP.
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ADD21589/c
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                                                                                                                                                                                                                                                                                                                                                                                                                             Human mdm2 antisense oligonucleotide #219.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human mdm2 antisense oligonucleotide #223.
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                                    1898 AGATTTCTTCTTTAGTAT 1917
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                                                                                            20 AGATTTCTTCTCTTTAGTAT 1
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                                                                                                                                                                                                                                                ADD21656 standard; DNA; 20 BP
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                        antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                                  Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human mdm2 antisense oligonucleotide #174.
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                                                                                                                                                                                                                                    1358 CTCAACACAGCTGAAGAGG 1377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1456 TTACACAAGCTTCACAATCA 1475
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                                                                                                                                                                                                                                                                      20 CTCAACACAAGCTGAAGAGG 1
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ADD21655 standard; DNA; 20 BP.
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ADD21611/c
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ADD21631/c
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ADD21655/c
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          Human mdm2 antisense oligonucleotide #240.
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                                                                                                                                                                                       Human mdm2 antisense oligonucleotide #230.
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WA antisense oligonucleotide; hum
XW hyperproliferative disorder;
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ADD21672/c
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                                                                                                                          Human mdm2 antisense oligonucleotide #16.
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ADD21483 standard; DNA; 20 BP.
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                                                                                                                                                                                                                                                                                         368 TCCAGCTTCGGAACAAGAGA 387
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                                                     300 AGGAGCAGGCAAATGTGCAA 319
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                                                                           20 AGGAGCAGGCAAATGTGCAA 1
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                  Human mdm2 antisense oligonucleotide #47.
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                                                                                                                                                                            174 TGGCCCGGAGAGTGAATGA 193
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                               Human mdm2 antisense oligonucleotide #167.
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ADD21605/c
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ADD21638/c
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                                                                                                                                       Human mdm2 antisense oligonucleotide #114.
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           RESULT 1625
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                     ADD21732 standard; DNA; 20 BP
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ADD21767/c
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AC ADD21767
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ADD21742/c
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                   1798 TATAAGAGAATTATATTT 1817
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                                                                                                                            20 TATAAGAGAATTATATATT 1
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ADD21696/c
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    Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                      587 TGTGAAGAGCACAGGAAAA 606
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Matches 20; Conservative 0; Mismatches 0; Indels
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                                          Mouse mdm2 antisense oligonucleotide #8
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                                                                                                                                                                                                                                741 GAAGAGAACCTTCATCTTC 760
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ID ADD21531 standard; DNA; 20 BP. XX
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ADD21443 standard; DNA; 20 BP
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ADD21532 standard; DNA; 20 BP.
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                                                                                                                                                   Human mdm2 antisense oligonucleotide #155.
                                                                                                                                                                                                                                                                           1226 CACTTCATGCAATGAAATGA 1245
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ADD21601/c
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Human mdm2 antisense oligonucleotide #206.
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                                                                                                                                                                                                                                                         1804 AGAATTATATATTTCTAACT 1823
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Matches 20; Conservative 0; Mismatches 0; Indels
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  20 GCAGCAAATGTGCAATACC 1
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ADD21535/c
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ADD21544/c
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                                                                                                                    14 TIGGCIGCTTCTGGGGCCTG 33
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                                                                                                                                          20 TTGGCTGCTTCTGGGGCCTG 1
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ADD21475/c
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ADD21666/c
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                                                                      Human mdm2 antisense oligonucleotide #107.
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antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human mdm2 antisense oligonucleotide #229.
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antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                                             Human mdm2 antisense oligonucleotide #302.
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                                                                                                                                                                                                                                                                                                                     1722 AGGAATAAGCCCTGCCCAGT 1741
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1047 AGTGTAGAATTTGAAGTTGA 1066
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    ADD21746 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                           Human mdm2 antisense oligonucleotide #263.
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2153 TCACTGCAAGCTCTGCCCTC 2172
                                                                                                                                                                                                                                                                                                                                                                                                                                                               2325 GCCCACCTCGGCCTCCCAAA 2344
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                        20 TCACTGCAAGCTCTGCCCTC 1
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ADD21746/c
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761 ACATITGGITICTAGACCAT 780
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antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                          Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                              306 AGGCAAATGTGCAATACCAA 325
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ID ADD21523 standard, DNA; 20 BP.
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                                          antisense oligonucleotide; human; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
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    Human mdm2 antisense oligonucleotide #286.
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                                                                                                                                                                                   1200 ATTTCCTTAGCTGACTATTG 1219
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                                                                                                                                                                                                             20 ATTTCCTTAGCTGACTATTG 1
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ADD21482 standard; DNA; 20 BP.
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ADD21749/c
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                           Human mdm2 antisense oligonucleotide #228.
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                   ADD21665 standard; DNA; 20 BP.
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ADD21716 standard; DNA; 20 BP.
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ADD21716/c
ID ADD21716
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ADD21730/c
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                  ADD21565/c
ID· ADD21565 standard; DNA; 20 BP.
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ADD21572/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 656 ATCGGACTCAGGTACATCTG 675
                                      158 CGAGCGCCCAGTGCCCTGGC 177
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Matches 20; Conservative
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ADD21539/c
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                    20 CAGAGAGTCATGTGTTGAGG 1
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ADD21645/c
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                       Human mdm2 antisense oligonucleotide #147.
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                                                                                                                                                                                                                                                                                  1135 TATATCAAGTTACTGTGTAT 1154
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ADD21607 standard; DNA; 20 BP.
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ADD21591/c
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ADD21607/c
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ADD21590/
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Le
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
                                         Human mdm2 antisense oligonucleotide #236.
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                                                                                                                                                                                                                             2059 AATATGTATATGACATTTAA 2078
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15-JAN-2004 (first entry)
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                                                                                                                                                                                  Human mdm2 antisense oligonucleotide #221.
                                                                                                                                                                                                                                                                                                                                                                          1913 AGTATAATTGACCTACTTTG 1932
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ADD21673/c
ID ADD21673 standard; DNA; 20 BP.
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AC ADD21673;
                                                          ADD21658 standard; DNA; 20 BP.
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                                                                                                                                                                             Human mdm2 antisense oligonucleotide #278.
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                                                                                                                                                                                                                                                                                                                                   367 TTCCAGCTTCGGAACAGAG 386
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                                        RESULT 1708
ADD21722/c
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ADD21489/c
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                                                                      2202 CCTCCCAATTAGCTTGGCCT 2221
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                                                                                            20 CCTCCCAATTAGCTTGGCCT 1
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ADD21698 standard; DNA; 20 BP.
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ADD21713 standard; DNA; 20
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                                                                                                                                                       566 GITIGGCGIGCCAAGCIICI 585
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                                                                        Human mdm2 antisense oligonucleotide #52.
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                                                                                                                                                                                                                                                                                                                                                                                                  289 CCCGGATGGTGAGGAGCAGG 308
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                                                                                                                                                                                                                                                                                                                                                                                                                                            20 CCCGGATGGTGAGGAGCAGG 1
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ADD21517/c
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ADD21494/c
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                   Human mdm2 antisense oligonucleotide #189.
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ADD21636 standard; DNA; 20
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      ADD21626;
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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20 GTGAATCTACAGGGACGCCA 1
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ADD21609 standard; DNA; 20 BP.
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ADD21626 standard; DNA; 20 BP.
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ADD21619/c
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                                                                                                                                                                                                                                                                                                     Human mdm2 antisense oligonucleotide #2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        37 GGCCCTGTGTGTCGGAAGA 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTCTGACCGAGATCCTGCTG 1
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     20 TGGTTGCATTGTCCATGGCA 1
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ID ADD21457 standard; DNA; 20 BP.
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                                                                 1757 TCAAATGATTGTGCTAACTT 1776
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                                                                                                                              774 AGACCATCTACCTCATCTAG 793
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                                                                                                                                                                                                                                                            2256 GTACTTTAGTAGAGACAGG 2275
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                                                                                                                                                       Human mdm2 antisense oligonucleotide #211.
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                                                                                                                                                                                                                                                                                                                      Human mdm2 antisense oligonucleotide #176.
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1077 TCAGAAGATTATAGCCTTAG 1096
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                                    Score 20; DB 1; Length 20;
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Human mdm2 antisense oligonucleotide #31.
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                                                                                                                                                                                         4 CCGCGCGAGCTTGGCTGCTT 23
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ADD21503 standard; DNA; 20 BP.
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                                                                                                                                              Human mdm2 antisense oligonucleotide #293.
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                                                                                                                                                                                                                                                                                                                                     1622 TIGIGIGATITIGICAAGGIC 1641
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               ADD21737 standard; DNA; 20
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ADD21444/c
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ADD21455/c
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                                                                                                                     Human mdm2 antisense oligonucleotide #173.
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                               ADD21610 standard; DNA; 20 BP.
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ADD21452/c
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ADD21659/c
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ADD21679/c
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                             372 GCTTCGGAACAAGAGACCCT 391
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ADD21588/c
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ADD21526/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               314 GTGCAATACCAACATGTCTG 333
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                                                                  242 AGGAAACTGGGGAGTCTTGA 261
                                                                                             20 AGGAAACTGGGGAGTCTTGA 1
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                      Human mdm2 antisense oligonucleotide #15.
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                                Human mdm2 antisense oligonucleotide #252.
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                                                                                                                                                                                 2213 GCTTGGCCTACAGTCATCTG 2232
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ADD21692/c
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ADD21718/c
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                                                                                                                                             Human mdm2 antisense oligonucleotide #163.
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ID ADD21644 standard; DNA; 20 BP.
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ADD21600 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                               113 TGCTTTCGCAGCCAGGAGCA 132
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ADD21502/c
ID ADD21502 standard; DNA; 20 BP.
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ADD21508/c
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ADD21498/c
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 0; Mismatches 0; Indels
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                                                                                     481 TIGGCCAGTATATATGACT 500
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    Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                    704 TGGGAGTGATCAAAAGGACC 723
                                                                                                           20 TGGGAGTGATCAAAAGGACC 1
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ADD21612 standard; DNA; 20 BP.
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                                       Human mdm2 antisense oligonucleotide #71.
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ADD21525 standard; DNA; 20 BP.
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ADD21537 standard; DNA; 20 BP
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ADD21543 standard; DNA; 20 BP.
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MDM2; mouse double minute; tumour; cancer; colorectal cancer; cytostatic; therapeutic; antisense therapy; human; ss.
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lineage committed cell; survival; proliferation; differentiation;
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hyperproliferative disorder; cancer; psoriasis; fibrosis;
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                                                                                  Human mdm2 antisense oligonucleotide #285.
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                                                                                                                                                                                                                   Human mdm2 antisense oligonucleotide #249.
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                                                                                                                                                                                                                                                                                                                                                                                                  2198 TCAGCCTCCCAATTAGCTTG 2217
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 GGCCAGTATATTATGACTAA 1
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ID ADD21729 standard; DNA; 20 BP.
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20 TTCACAATCACAAGAAGTG
                                                                                                ADD21686 standard; DNA; 20 BP
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                                                                                                                                                                                                                                         Human mouse double minute (MDM2) sense oligonucleotide S7-2.
                                                                                                                                                                                                                                                                                                                                      Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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  1 CCTTGAAGGTGGGAGTGATC 20
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                                                                                                                     AAD64996 standard; DNA; 20
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                                    Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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therapeutic; antisense therapy; human; antisense; ss.
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                                                                                                                 685 ACAGGTGTCACCTTGAAGGT 704
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AAD65006 standard; DNA; 20 BP.
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AAD64984
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MDM2; mouse double minute; tumour; cancer; colorectal cancer; cytostatic;
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                                                                           Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                              1230 TCATGCAATGAAATGAATCC 1249
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                                                                                                                        Human mouse double minute (MDM2) sense oligonucleotide S3
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                                                                                                                         Human mouse double minute (MDM2) antisense RNA oligonucleotide AS2-2H.
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      AAD65021 standard; RNA; 20 BP.
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709 GTGATCAAAGGACCTTGTA 728
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AAD64993
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                      1203 TCCTTAGCTGACTATTGGAA 1222
                                                                                                                                                                                                                                                                                                                                                                                                                                                    481 TTGGCCAGTATATTATGACT 500
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                                                                                                                                                                                                                                                                     AAD65002 standard; DNA; 20 BP.
         AAD64985 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAD65010 standard; DNA; 20 BP.
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AAD65026 standard; RNA; 20 BP.
                                                        11-MAR-2004 (first entry)
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                                  AAD64985;
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AAD65026/c
1D AAD65028
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AC AAD65028
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DT 11-MAR-:
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AAD65010/c
AAD64985
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                                                       MDM2; mouse double minute; tumour; cancer; colorectal cancer; cytostatic; therapeutic; antisense therapy; antisense; ss.
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Mouse double minute (MDM2) antisense RNA oligonucleotide AS.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                 675 GTGAGTGAGAACAGGTGTCA 694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   717 AAGGACCTTGTACAAGAGCT 736
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MDM2; mouse double minute; tumour; cancer; colorectal cancer; cytostatic; therapeutic; antisense therapy; human; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Therapy; research reagent; diagnostic; phosphorothioate backbone; ss.
                                                                                                                                                                     Human mouse double minute (MDM2) sense oligonucleotide S5-2.
                                                                                                                                                                                                                                                                      Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                          675 GIGAGIGAGAACAGGIGICA 694
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                                                                                     AAD64989;
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AAD50276/c
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    RESULT 1834
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  0; Indels
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 998 TGAACATTCAGGTGATTGGT 1017
                                        357 ACCTCACAGATTCCAGCTTC 376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 TGAACATTCAGGTGATTGGT 20
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                                                                1 ACCTCACAGATTCCAGCTTC 20
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Matches 20; Conservative
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AAD65016/c
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AC AAD65016
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AC AAD65016
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BD 11-MAR-2
XX
CX
KW MDM2; mc
KW MDM2; mc
KW KNDM2; mc
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Human Y chromosome non-recombining region polymorphic fragment #302.
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 Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0;
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                                                              20 AAAGTGCTGGGATTACAGGC 1
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ADM65578/c
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ABD30995
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                                         Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory; antiallergic;
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                                                                                                                                                                                                                                                                                                                                       Human Y chromosome non-recombining region polymorphic fragment #301.
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                                                                                                                                                                                                                                                                                                                                                                    ethnic origin determination; polymorphic site determination, Y chromosome; paternity testing; forensic; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                    Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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             Human RANTES oligonucleotide sequence.
                                                                                                                                              2187 ATTCTCCTGCCTCAGCCTCC 2206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2341 CAAAGTGCTGGGATTACAGG 2360
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                                                                                                                                                                  1 ATTCTCCTGCCTCAGCCTCC 20
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Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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Human dual specific phosphatase 4 DNA, antisense oligonucleotide #65.
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                                                                             Antisense therapy, human, dual specific phosphatase 4;
hyperproliferative disorder; developmental disorder; apoptosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              interleukin, IL-4 receptor; IL-5 receptor; lung disease; airway inflammation; allergy; asthma; impeded respiration;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         interleukin; IL-4 receptor; IL-5 receptor; lung disease; airway inflammation; allergy; asthma; impeded respiration;
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                                                                                                                                        'Match 0.8%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 1.8e+03; Local 20; Conservative 0; Mismatches 0; Indels
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide associated to RANTES #78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Oligonucleotide associated to PDE4C #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Primer #1 for amplification of D6S105.
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22-APR-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                   Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer;
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                                                                                                                                                                             Human PDE4C-derived oligonucleotide SEQ ID 14297.
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                                                        ABD32086 standard; DNA; 20 BP.
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chimeric, antisense oligonucleotide; phosphorothioate; human; microsomal prostaglandin E2 synthase; mPGES-1; mPGES-1 inhibitor;
                                                                                                                                         Human mPGES-1 chimeric antisense oligonucleotide SEQ ID NO:464.
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                          ADM14277 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                              human; medicine; signal transduction; glycoprotein; transcription; oligo-capping method; ss; PCR; primer.
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  Length 20;
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Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0; Indels
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Query Match
0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 20; Conservative 0; Mismatches 0;
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                                                      2340 CCAAAGTGCTGGGATTACAG 2359
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                                                                       1 CCAAAGTGCTGGGATTACAG 20
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20 ceccrcccaaaerecreee 1
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                                                                                                                                      ADM14482 standard; DNA; 20 BP.
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ADN30395/c
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                                                                                                                                                                                                                                                                                                                                                                                        Human; 88; interleukin-4 receptor; IL-4; interleukin-5 receptor; IL-5;
CCR1; CCR3; Botaxin-1; RANTES; MCP4; CD23; ICAM; VCAM; tryptase a;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; 88; interleukin-4 receptor; IL-4; interleukin-5 receptor; IL-5;
CCR1; CCR3; Botaxin-1; RANTES; MCP4; CD23; ICAM; VCAM; tryptase a;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transplant rejection, immune system, rheumatoid arthritis, lupus, inflammatory bowel disease; multiple sclerosis; HIV, AIDS; ss; primer.
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                                                                    chimeric; antisense oligonucleotide; phosphorothioate; human; microsomal prostaglandin E2 synthase; mPGES-1; mPGES-1 inhibitor;
                                         Human mPGES-1 chimeric antisense oligonucleotide SEQ ID NO:1145.
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                                                                                                              Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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ADP12093 standard; DNA; 20 BP.
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             01-JUL-2004 (first entry)
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ADO46429
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ADO45319
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                                                                                                                                                                                                                                                                                                                                                                                                                                     transplant rejection; immune system; rheumatoid arthritis; lupus; inflammatory bowel disease; multiple sclerosis; HIV; AIDS; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         transplant rejection; immune system; rheumatoid arthritis; lupus;
inflammatory bowel disease; multiple sclerosis; HIV; AIDS; ss; primer.
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    Length 20;
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Query Match 0.8%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.8 Matches 20; Conservative 0; Mismatches
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                                                                                           1598 TITGCCCTTAATGCCATTG 1617
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Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                Cytostatic, immunostimulant, gene therapy, vaccine; human, zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 19.8; DB 1; Length 23; Best Local Similarity 91.3%; Pred. No. 1.9e+03; Matches 21; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                Query Match 0.8%; Score 20; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                  Human MDZ7 scanning oligonucleotide SEQ ID 5747.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human MDM2 mRNA fragment complementary oligo 12.
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                                                                                                                                                                                                                                                                                                                                                                  2274 GGGTTTCACCGTGTTAGCCA 2293
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                                                              (first entry)
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                                                            20-NOV-2003
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        ADB04761;
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                                                                                                                                                                                                                                                                                                                                                            virucide; oligonucleotide binder; protein binder; serum binder; vascular protein binder; cellular protein binder; compound;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gene polymorphism; drug-metabolising enzyme; PCR primer; CYP2C18i; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+03; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1695 TITACATGTGCAAAGAAGCT 1714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GATTACAGGCATGAGCCACC 20
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  20 GGATGGTCTCGATCTCCTGA
                                                                                                                     5057/c
ADQ75057 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human CYP2C18i PCR primer #6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF84350 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-OCT-2001 (first entry)
                                                                                                                                                                                                                                                23-SEP-2004 (first entry)
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                                                                                                                                                                                            ADQ75057;
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                                                                                  RESULT 1864
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1D AAF8.
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AC AAF8.
DT 20-J
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ID ADQ7
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                                                                                                                                                                                                                                                                                                                         Human; myosin heavy chain 12-14; Prader Willi syndrome; PCR primer;
Klinefelter syndrome; inflammation; kinetic illness; gene therapy; ss.
                                   Gaps
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                                                                                                                                                                                                                                                                                        Human myosin heavy chain 12-14 coding sequence PCR primer #1.
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0.8%; Score 19.8; DB 1; Length 24;
Best Local Similarity 91.3%; Pred. No. 1.9e+03;
Matches 21; Conservative 0; Mismatches 2; Indels
/ Match 0.8%; Score 19.8; DB 1; Length 23; Local Similarity 91.3%; Pred. No. 1.9e+03; Pred. No. 1.9e+03; Onservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                2147 CTTGGCTCACTGCAAGCTCTGCC 2169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2193 CTGCCTCAGCCTCCCAATTAGCT 2215
                                                                 2292 CAGGATGGTCTCGATCTCCTGAC 2314
                                                                                      1 CAGGATGGTCTCCATCTTTGAC 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CTGCCTCAGCCTCCCAAGTAACT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24 CTCGGCTCACTGCAAGCTCCGCC 2
                                                                                                                                                                                      AAI71673 standard; DNA; 24 BP
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                                                                                                                                                                                                                                                        15-JAN-2002
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   Query Match
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AA171673/C
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AC AA17167;
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DT 15-JAN-:
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DE Human;
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KW Human;
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                     Best Loca
Matches
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                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                           Human; dihydropyrrole-5-carboxylate reductase 15; cancer; enzyme; human immunodeficiency virus infection; HIV infection; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cytostatic; immunostimulant; gene therapy; vaccine; human;
zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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                                                                                            Human dihydropyrrole-5-carboxylate reductase 15 PCR primer 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human clathrin light chain 13.64 PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2092 TTTTTTTGAGACCGAGTCTTGC 2114
                                                                                                                                                                                                                                                                                                                2263 TAGTAGACAGGGTTTCACCGT 2285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2089 TTATTTTTTGAGACCGAGTCT 2111
                                                                                                                                                                                                                                                                                                                                           2 TAGTAGAGACAGGATTTCACCAT 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 rrrrcrrrgagacgagacrcrrgc 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABV74727 standard; DNA; 24 BP.
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ID ADB04735 standard; DNA; 25
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                                            24-JUN-2002 (first entry)
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ABL50916;
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ABV74727
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Matches
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Human; PEPT1; PEPT2; intestinal peptide transporter; transport;
transporter; PCR primer; ss.
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                                                           26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 19.6; DB 1; Length 26; Best Local Similarity 84.6%; Pred. No. 1.9e+03; Matches 22; Conservative 0; Mismatches 4; Indels
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                                                                                                   2; Indels
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                                                           Length
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Query Match

Query Match

O.8%; Score 19.6; DB 1;

Best Local Similarity 84.6%; Pred. No. 1.9e+03;

Matches 22; Conservative 0; Mismatches 4;
                                                       Query Match 0.8%; Score 19.8; DB 1; Best Local Similarity 91.3%; Pred. No. 1.9e+03; Matches 21; Conservative 0; Mismatches 2;
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                                                                                                                                        2350 GGGATTACAGGCATGAGCCACCG 2372
                                                                                                                                                                   26 GGGATTACAGGCTTGAGCTACCG 4
                                                                                                                                                                                                                                                                              BP.
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                                                                                                                                                                                                                                                              3394/c
AAA39394 standard; DNA; 26
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                                                                                                                                                                                                                                                                                                                                                           04-OCT-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human SECX 2826468 probe.
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ID AAA39
XX
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DT 04-0c
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XM Alu 3
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                                                                                                                                  Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                                                                                                                                                                            Query Match 0.8%; Score 19.8; DB 1; Length 25; Best Local Similarity 91.3%; Pred. No. 1.9e+03; Matches 21; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.8%; Score 19.8; DB 1; Length 25; Best Local Similarity 91.3%; Pred. No. 1.9e+03; Matches 21; Conservative 0; Mismatches 2; Indels
                                                                                          Human MDZ7 scanning oligonucleotide SEQ ID 5721
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human MDZ7 scanning oligonucleotide SEQ ID 5648.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human MDZ7 scanning oligonucleotide SEQ ID 5566.
                                                                                                                                                                                                                                                                          2246 CTAATTTTTGTACTTTAGTAG 2268
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                                                                                                                                                                                                                                                                                                                                                                                                                 ADB04662 standard; DNA; 25 BP
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ABZ22656 standard; DNA; 26
                                                   20-NOV-2003 (first entry)
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                ADB04735;
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Human; 88; PCR; NOVX; diabetes; obesity; infectious disease; anorexia; cancer-associated cachexia; cancer; neurodegenerative disorder;
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MMAC1 pathway; immunogen; cancer; cell neoplastic growth; PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer PDZK5.6P used to amplify DNA encoding MMSC1 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Thiazide-sensitive Na-Cl cotransporter; TSC; hTSC gene; human; ion transport; Gitelman's syndrome;
                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 19.6; DB 1; Length 26; Best Local Similarity 84.6%; Pred. No. 1.9e+03; Matches 22; Conservative 0; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human TSC gene exon 16 reverse primer hTSCex16.
                                                                                                                                                                                                                                                                                                                                                              2228 ATCTGCCACCACACCTGGCTAATTTT 2253
                                                                                                                                                                                                                                                                                                                                                                                            1 ATGCACCACTCCTGGCTAATTTT 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2110 CTTGCTCTGTTACCCAGGCTG 2130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CTTGCTCTGTCACCCAGGCTG 21
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  ADN62195 standard; DNA; 26 BP
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                                                                                                                                               Human NOV20a RTQ-PCR probe.
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                                                                                             01-JUL-2004 (first entry)
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                                                 ADN62195;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; 88; NOVX; gene therapy; cardiomyopathy; atherosclerosis; cell signal processing disorder; metabolic pathway modulation disorder;
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                                                                                                                                                                                                                                                                                                                                                       Secreted protein, SECX, cancer, human, cytostatic, gene therapy, PCR primer; probe, 88.
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0.8%; Score 19.6; DB 1; Length 26;
Best Local Similarity 84.6%; Pred. No. 1.9e+03;
Matches 22; Conservative 0; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                             Human secreted protein (SECX) specific oligo.
2102 GACCGAGTCTTGCTCTGTTACCCAGG 2127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2269 AGACAGGGTTTCACCGTGTTAGCCAG 2294
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                             26 GACACAGTCTCGCTCAGTTACCCAGG 1
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                                                                                                                                                                                                                                                              (first entry)
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ABK61474/C
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SNP specific lower PCR primer SEQ ID 1318.

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Human; ds; cytochrome P450 Al; CYP4501Al; UGT2B4; MDRl; cytochrome P450 A2; CYP4501A2; cytochrome P450 02E; CYP45002El; LTF;
                                                                                                                                                                                                                                                                                    Human; ds; cytochrome P450 A1; CYP4501A1; UGT2B4; MDR1; cytochrome P450 A2; CYP4501A2; cytochrome P450 02E; CYP45002E1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; ds; cytochrome P450 Al; CYP4501Al; UGT2B4; MDR1; cytochrome P450 A2; CYP4501A2; cytochrome P450 02E; CYP45002El;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match

0.8%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.9e+03;
Matches 20; Conservative 0; Mismatches 1; Indels
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0.8%; Score 19:4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.9e+03;
Matches 20; Conservative 0; Mismatches 1; Indels
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0.8%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 1.9e+03;
Matches 20; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                   Human multidrug resistance gene polymorphic sequence #60.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human multidrug resistance gene polymorphic sequence #9.
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                  2350 GGGATTACAGGCATGAGCCAC 2370
                                                                                                                                                                                                                                                                                                                                                                                                                 2278 TTCACCGTGTTAGCCAGGATG 2298
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                                                     1 decarracaccaccaccac 21
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              Single nucleotide polymorphism, SNP; single nucleotide primer extension, SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homozygous stem cell; major histocompatibility complex; MHC; HLA; human leukocyte antigen; immunotype; genotype; microsatellite; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; Alu; metastatic potential determination; cancer; chorioallantoic membrane; CAM; avian embryo; intravasation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Microsatellite typing and sequencing D6S105 5' primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human Alu sequence-specific primer Alu-Sense.
                                                                                                                                                                                                                                                                                                                                                                        SNP specific lower PCR primer SEQ ID 2866.
                                                                                                                                        2341 CAAAGTGCTGGGATTACAGGC 2361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2283 CGTGTTAGCCAGGATGGTCTC 2303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2343 AAGTGCTGGGATTACAGGCAT 2363
                                                                                                                                                        1 CAAAGTCCTGGGATTACAGGC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CATGTTAGCCAGGATGGTCTC 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 AAGTGCTGGGATTACAGGCGT 1
                                                                                                                                                                                                                                                                   AAH40070 standard; DNA; 21 BP
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non-nucleotide probe; Bacterial Artificial Chromosome clone; BAC; 88;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ethnic origin determination; polymorphic site determination; Y chromosome; paternity testing; forensic; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 21;
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                                                                                                              Length 21;
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                                                                                                                                                   1; Indels
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0.8%; Score 19.4; DB 1;
Best Local Similarity 95.2%; Pred. No. 1.9e+03;
Matches 20; Conservative 0; Mismatches 1;
                                                                                                       Score 19.4; DB 1;
Pred. No. 1.9e+03;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Non-nucleotide probe of the invention #17.
          Non-nucleotide probe of the invention #5.
                                                                                                                                                                                      2260 TITIAGIAGAGACAGGGITIC 2280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2260 TTTTAGTAGACAGGGTTTC 2280
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ID ADM65580 standard; DNA; 21 BP.
                                                                                                       Query Match 0.8%;
Best Local Similarity 95.2%;
Matches 20; Conservative (
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Best Local Similarity
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SNP; glaucoma; progressive ocular hypertensive disorder;
                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                    Human; ds; cytochrome P450 A1; CYP4501A1; UGT2B4; MDR1;
cytochrome P450 A2; CYP4501A2; cytochrome P450 02E; CYP45002E1; LTF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; ds; cytochrome P450 A1; CYP4501A1; UGT2B4; MDR1; cytochrome P450 A2; CYP4501A2; cytochrome P450 02E; CYP45002E1; LTF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Optineurin promoter motif, repeat element or regulatory region #239.
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                                                                                                                                             Human multidrug resistance gene polymorphic sequence #65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human multidrug resistance gene polymorphic sequence #7.
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ABS90105 standard; DNA; 21 BP.
ADE14130 standard; DNA; 21 BP.
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ABS98105/C
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DE Human m
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KW Human; KW
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DNA amplification; copy number; polymerase chain reaction; PCR; primer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        malignant neoplasia; cytostatic; breast cancer; ovarian cancer;
gastric cancer; colon cancer; oesophageal cancer; mesenchymal cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human DNA mismatch repair gene 10.45 specific RT-PCR primer, #2.
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                                                                                                                                                              PCR primer for amplifying the BRCA1 gene #SEQ ID 50.
                                                                                                                                                                                                                                                                                                                                            2340 CCAAAGTGCTGGGATTACAGG 2360
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                                        ADC24360 standard; DNA; 22
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                                                                                                                     (first entry)
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                                                                                                                     18-DEC-2003
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                                                                                ADC24360;
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  RESULT 1907
                  ADC24360
ID ADC2
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XC ADC2
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                                                                                                                                                                                                                                                                                                      inhibition.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Best Local Similarity 95.2%; Pred. No. 1.9e+03;
Matches 20; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; PSEN1; Alzheimer's disease; polymorphism; diagnosis;
preseniline-1; chromosome 14; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
0.8%; Score 19.4; DB 1; Length 22;
Best Local Similarity 95.2%; Pred. No. 1.9e+03;
Matches 20; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                    HIV gene expression analysis primer SB704 following siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human biallelic polymorphic marker downstream primer #216.
  1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Preseniline-1 gene promoter PCR primer Prom22R
0; Mismatches
                                   2277 TTTCACCGTGTTAGCCAGGAT 2297 [||||||||||||||||||||||||||||||||||1 TTTCACCTTGTTAGCCAGGAT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2346 TGCTGGGATTACAGGCATGAG 2366
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 TGCTGGGATTACAGGCGTGAG 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 TTTTAGTAGAGGGGGTTTC 1
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AAF29797/C
ID AAF29797 standard; DNA; 22 BP.
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                                                                                                                                                                            ADO55495 standard; DNA; 21 BP
                                                                                                                                                                                                                                                          26-AUG-2004 (first entry)
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20; Conservative
                                                                                                                                                                                                                    AD055495;
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Best Local Similarity 95.2%; Pred. No. 2e+03; Matches 20; Conservative 0; Mismatches
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                                                                                                                  RESULT 1914
                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1915
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                                         Insulin like growth factor binding protein 11.88; primer; 88; cytostatic; embryo development dysmorphia; malignant tumour; gene therapy; cancer;
                                                                                                                                                                                                                                                                                                                                                              Ras GTP enzyme-activating protein 20.68; cancer suppressor protein-20.68; recombinant production; gene therapy; cancer; tumour; HIV infection;
                Insulin like growth factor binding protein 11.88 cDNA RT-PCR primer #2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; cartilage connective protein 10.67; disease; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                   Ras GTP enzyme-activating protein 20.68 RT-PCR primer, SEQ ID NO:3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer #2 for human cartilage connective protein 10.67 cDNA.
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                                                                                    Query Match 0.8%; Score 19.4; DB 1; Length 24; Best Local Similarity 95.2%; Pred. No. 2e+03; Matches 20; Conservative 0; Mismatches 1; Indels
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0.8%; Score 19.4; DB 1; Length 24;
Best Local Similarity 95.2%; Pred. No. 2e+03;
Matches 20; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                        07-MAR-2003 (first entry)
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ABS55854
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                                                                                                                                                                                                                                                                                                                                                                                                                            High-mobility component protein 12.87; cancer; HIV infection; cytostatic; anti-HIV; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 $182 gene; familial Alzheimer's disease; diagnosis; transgenic animal; polymerase chain reaction; PCR; primer; artificial chromosome; PAC; 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Primer Alu 5' used in Inter-Alu PCR for PAC isolation.
                                                                                                                                                                                                                                                                                                                                                                     High-mobility component protein 12.87 PCR primer #2.
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2351 GGATTACAGGCATGAGCCACC 2371
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                                   1 GGATTACAAGCATGAGCCACC 21
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                                                                                                                                                                                                 ABZ24886 standard; DNA; 24 BP
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                                                                                                                                                                                                                                                                                                                25-MAR-2003 (first entry)
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RESULT 1917

AAV52725/ ID AAV5 XX AC AAV5 XX DT 21-D XX XX Hepa KW Hepa

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Human; protective sequence; cell death; cancer; autoimmune disease; neurological disorder; stroke; cytostatic; neuroprotective; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                              High density lipoprotein-cholesterol; HDL-C; cardiovascular; ABC1; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; pterin-molybdenum oxidoreductase 10; cancer; haemopathy; immunological disease; HIV infection; inflammation; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human pterin-molybdenum oxidoreductase 10 cDNA PCR primer #2.
                                                                                                                                          ch 0.8%; Score 19.2; DB 1; Length 24; l Similarity 87.5%; Pred. No. 2e+03; 21; Conservative 0; Mismatches 3; Indels
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                                        Human ABC1 transcription factor binding site #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SNP specific lower PCR primer SEQ ID 2830.
                                                                                                                                                                                                                           2293 AGGATGGTCTCGATCTCCTGACCT 2316
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                                                                                                                                                                                                                                                1 AGGTTGGTTTCGAACTCCTGACCT 24
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ABA82841 standard; DNA; 24 BP.
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17-MAY-2001 (first entry)
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ses 21; Conserva
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                                                                                                                                          Query Match
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AAH40034/c
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                                                                                                                                                                                                                  Hepatocyte nuclear factor 1 alpha; HNF-1 alpha; MODY3; human; transcription factor; maturity onset diabetes of the young; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B18hum; bronchoalveolar protein; peroxisome-associated polypeptide; lung injury; oxidative stress-related disorder; inflammatory disease;
                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                            Hepatocyte nuclear factor 1 alpha gene STS UC-39 forward primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Reverse primer P2 for target sequence human P2 gene.
                                                                                                                                                                                                                                                                                                                                                            2099 TGAGACCGAGTCTTGCTCTGTTAC 2122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2115 TCTGTTACCCAGGCTGGAGTGCAG 2138
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer for B18hum coding sequence.
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                                                   AAV52725 standard; DNA; 24 BP.
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                                                                                                                                      (first entry)
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                                                                                                                                      21-DEC-1998
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                                                                                                         ABK52730 standard; DNA; 24
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                                                                                                                                                          ABK52730;
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ABK89466
ID ABK89466
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AC ABK89466
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; mitochondrial ATPase coupling factor F69.35; sugar; fat; protein; metabolic disturbance; PCR; primer; ss.
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human immunodeficiency virus infection; HIV infection;
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Query Match 0.8%; Score 19.2; DB 1; Length 24; Best Local Similarity 87.5%; Pred. No. 2e+03; Matches 21; Conservative 0; Mismatches 3; Indels
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Pred. No. 2e+03;
0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2102 GACCGAGTCTTGCTCTGTTACCCA 2125
                                                                                                    2262 TIAGTAGAGACAGGGTTTCACCGT 2285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2100 GAGACCGAGICITGCICIGITACC 2123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2103 ACCGAGTCTTGCTCTGTTACCCAG 2126
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                                                                                                                                24 TTAGTAGAGGACTTTCACCAT 1
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Best Local Similarity 87.5%;
Matches 21; Conservative (
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ABS56756
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AC ABS56756
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DB JAN-2
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DB DNA LOPC
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protein metabolism dysfunction; immunological disease; haemopathy; HIV;
                                                  Human; Mch2 protein 11.55; cancer; human immunodeficiency virus; HIV; reverse transcriptase PCR; RT-PCR; primer; 88.
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                                                                                                                                           Length 24;
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                                                                                                                                  Ouery Match 0.8%; Score 19.2; DB 1; Best Local Similarity 87.5%; Pred. No. 2e+03; Matches 21; Conservative 0; Mismatches 3;
Human Mch2 protein 11.55. RT-PCR primer #2.
                                                                                                                                                                                                                                                   2100 GAGACCGAGICTTGCTCTGTTACC 2123
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                                                                                                                                                                                                                                                                                                                    Human; tumour suppressor factor 11.77; cytostatic; haemostatic; virucide; immunomodulatory; antiinflammatory; gene therapy; malignant tumour;
                                                       Human; RT-PCR; 98; large protein 17.6; embryonic development deformity;
protein metabolism disturbance; tumour; antagonist;
                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                              Human tumour suppressor factor 11.77 PCR primer 2 SEQ ID NO:4.
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                                                                                         Ouery Match 0.8%; Score 19.2; DB 1; Length 24; Best Local Similarity 87.5%; Pred. No. 2e+03; Matches 21; Conservative 0; Mismatches 3; Indels
                                 Human large protein 17.6 specific RT-PCR primer, #1.
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                                                                                                                                                       1 CAGGGTCTTGCTCTGTCACCCAGG 24
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           05-NOV-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; ss; primer; CBF-C; 13.42; transcription binding factor; gamma subunit; protein metabolism disorder; reverse transcriptase
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Query Match 0.8%; Score 19.2; DB 1; Length 24; Best Local Similarity 87.5%; Pred. No. 2e+03; Matches 21; Conservative 0; Mismatches 3; Indels
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pseudohypertrophic muscular dystrophy; bo-Fu-Lai syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RT-PCR primer #2 for cDNA encoding human tyrosinase 12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human SOX3 protein 10.67 PCR primer #2.
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                                                                                                           2103 ACCGAGTCTTGCTCTGTTACCCAG 2126
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Human, epilepsia associated protein-11.77; cancer; haematopathy;
HIV infection; immune disease; reverse transcriptase-PCR; RT-PCR; primer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; excitatory amino acid transport protein 13.53; recombinant production; gene therapy; glutamic acid transport disorder;
                                                                                  Human epilepsia associated protein-11.77, RT-PCR primer #2.
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Best Local Similarity 87.5%; Pred. No. 2e+03;
Matches 21; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                          2102 GACCGAGTCTTGCTCTGTTACCCA 2125
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                                                                                                                                                                                                                                                                                                1 GACGGAGCCTTGCTCTGTCACCCA 24
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                                           18-DEC-2003 (first entry)
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  ADC48698;
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Matches
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ADG83872
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immunomodulatory; antiinflammatory; gene therapy; enzyme; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; tyrosine kinase 14; cancer; haemopathy; HIV infection; immunological disease; inflammation; developmental disorder; cytostatic;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GATGGAGTCTTGCTCTGTCACCCA 24
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                                                                                                   ABK12883 standard; DNA; 24 BP
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AAT94763
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zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
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                          DB 1; Length 25;
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                       Query Match 0.8%; Score 19.2; DB 3
Best Local Similarity 87.5%; Pred. No. 2e+03;
Matches 21; Conservative 0; Mismatches
                                                                           2086 TTATTATTTTTGAGACCGAGT 2109
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; progesterone receptor; breast cancer; ovarian cancer; mutant;
                                                                                                                                                                                                                   Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ12; chromosome 7q22.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Breast; ovarian; cancer; diagnosis; risk; predisposition; human; detection; point mutation; progesterone; receptor; FISH; primer;
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                                                                                                                                                                Human MDZ7 scanning oligonucleotide SEQ ID 5733.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human progesterone receptor gene primer.
                                                                                                                                                                                                                                                                                                                                                                                                            2256 GTACTTTAGTAGAGACAGGGTTT 2279
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GTATTTTTAGTAGAGACGGGGTT 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 AAAGTGCTGGGATTACAGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT94763 standard; DNA; 19 BP.
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ADB04747 standard; DNA; 25 BP
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(first entry)
                                                                                                          (first entry)
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AAH38677
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sequence polymorphism analysis; human; chromosome 19q; cancer; RAI; ss; single nucleotide polymorphism; SNP; primer.
sequence polymorphism analysis; human; chromosome 19q; cancer; RAI; ss; single nucleotide polymorphism; SNP; probe; primer.
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                                                                      Query Match 0.8%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 19; Conservative 0; Mismatches 0; Indels
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0.8%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human p53-binding protein, mdm2, SDSO target region #6.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human chromosome 19 RAI il forward primer.
                                                                                                                                                                        2275 GGTTTCACCGTGTTAGCCA 2293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2275 GGTTTCACCGTGTTAGCCA 2293
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                                                                                                                                                                   Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPB; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome;
PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SNP specific upper PCR primer SEQ ID 1017.
                                                                                                                   SNP specific upper PCR primer SEQ ID 1473.
                                                                                                                                                                                                                                                                                                                                         2346 TGCTGGGATTACAGGCATG 2364
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                                                                                                                                                                                                                                                                                                                                                                            1 TGCTGGGATTACAGGCATG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAH38221 standard; DNA; 19 BP.
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                                                                      (first entry)
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                                                                      14-AUG-2001
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                      AAH38677;
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Human; ss; SDSO; short double stranded oligonucleotide; cleavage site; viral infection; malignant tumour; genetic disease; metabolic disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ss; siRNA; gene silencing; Bcl-2; optimised; short interfering RNA; RNA interference.
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                                                                                                                                                                                                                                   Query Match 0.8%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                            Human p53-binding protein, mdm2, SDSO target region #5.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2342 AAAGTGCTGGGATTACAGG 2360
                                                                                                                                                                                                                                                                                                                        1635 CAAGGTCGACCTAAAATG 1653
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                                                                                                                                                                                                                                                                                                                                                    1 CAAGGTCGACCTAAAAATG 19
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        ADO23054 standard; cDNA; 19 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADO80008 standard; DNA; 19 BP.
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                                                                                         01-JUL-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CENPC1 extend primer #59.
                                                ADO23054;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADO80008;
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ADO80008
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                                                                                                                                                                                                                                                                                                                    Human; ss; SDSO; short double stranded oligonucleotide; cleavage site; viral infection; malignant tumour; genetic disease; metabolic disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; ss; SDSO; short double stranded oligonucleotide; cleavage site; viral infection; malignant tumour; genetic disease; metabolic disease;
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                                                                                                                                                                                                                                                                            Human p53-binding protein, mdm2, SDSO target region #2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1765 TTGTGCTAACTTATTTCCC 1783
1695 TTTACATGTGCAAAGAAGC 1713
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1 TTTACATGTGCAAAGAAGC 19
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                                                                                                                                                ADO23051 standard; cDNA; 19 BP
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Anti-MDM2 siRNA related DNA sequence SEQ ID NO:1237.

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ABL60514 standard; DNA; 20 BP
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                                                                                                                                           ABL60514;
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             ss; siRNA; gene silencing, Bcl-2; optimised; short interfering RNA; RNA interference.
                                                                                                                                                                                                                                                                                                                         88; BiRNA; gene silencing; Bcl-2; optimised; short interfering RNA; RNA interference.
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                                                      Query Match 0.8%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 19; Conservative 0; Mismatches 0; Indels
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antiinflammatory; antitumour; cytostatic; CAS; CSE1; CSP;
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                                                                                                                                                                                                                                                                                                Anti-MDM2 siRNA related DNA sequence SEQ ID NO:1238
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                                                                                                             920 GGAGATATGTTGTGAAGA 938
                                                                                                                                                                                                                                                                                                                                                                                                                          860 CCACAAATCTGATAGTATT 878
                                                                                                                                        1 GCAGATATGTTGTGAAGA 19
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Best Local Similarity 95.0%; Pred. No. 1.9e+03;
Matches 19; Conservative 0; Mismatches 1; Indels
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2335 GCCTCCCAAAGTGCTGGGA 2353
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Human mPGES-1 chimeric antisense oligonucleotide SEQ ID NO:695
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ADO47348
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                                                                                                                                                                                                                                                                                                                                                                              antisense oligonucleotide; mouse; mdm2; hyperproliferation; hyperproliferative disorder; cancer; psoriasis; fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 19; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                            Query Match 0.8%; Score 19; DB 1; Length 20; Best Local Similarity 95.0%; Pred. No. 1.9e+03; Matches 19; Conservative 0; Mismatches 1; Indels
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                                                                                  Human MDM2 mRNA fragment complementary oligo primer 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human 5-HT7 receptor gene promoter related PCR primer.
                                                                                                                                                                                                                                                                                                                                                       Mouse mdm2 antisense oligonucleotide #18.
                                                                                                                                                                                          677 GAGTGAGAACAGGTGTCACC 696
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                                                                                                                                                                                                       20 GNGTGAGAACAGGTGTCACC 1
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ABL60511/c
ID ABL60511 standard; DNA; 20 BP.
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ID ADD21777 standard; DNA; 20 BP.
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ADF47745 standard; DNA; 20 BP.
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ADM14508 standard; DNA; 20
                                                          12-AUG-2002 (first entry)
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ADF47745/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Single nucleotide polymorphism; SNP; human; sorbin and SH3-domain-containing-1 gene; SORBS1; sequence determination;
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chimeric, antisense oligonucleotide, phosphorothioate, human, microsomal prostaglandin E2 synthase; mPGES-1; mPGES-1 inhibitor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             chimeric; antisense oligonucleotide; phosphorothioate; human; microsomal prostaglandin E2 synthase; mPGBS-1; mPGES-1 inhibitor;
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                                                                                          Query Match 0.8%; Score 19; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.9e+03; Matches 19; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2330 CCTCGGCCTCCCAAAGTGC 2348
                                                                                                                                                                                                                         2336 CCTCCCAAAGTGCTGGGAT 2354
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                                                                                                                                                                                                                                                                                     20 ccrcccaaagrecreedar 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADM15268 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAH38422 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADO47348 standard; DNA; 23 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUL-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2004 (first entry)
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2094 TITITIGAGACCGAGICTIGCT 2115
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                                                                                                                                                                                                                                                                                                                                                                   22 TTTTTCGAGACAGAGTCTTGCT 1
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                                       AAQ82257 standard; DNA; 22 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAT71928 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAT71925 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAT72000 standard; DNA; 22
                                                                                                                      25-MAR-2003 (revised)
07-SEP-1995 (first entry)
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                                                                                AAQ82257;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAT71928;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT71925;
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    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3-hydroxy-3-methylglutaryl-coenzyme A reductase gene; dyslipidemia; HMG-COA reductase gene; genetic marker; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1;
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                                                                                                                                                                                                                                                                                                                                                                                                  Ouery Match 0.8%; Score 19; DB 1; Length 24; Best Local Similarity 100.0%; Pred. No. 2e+03; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 19; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 2e+03; Matches 19; Conservative 0; Mismatches 0; Indels
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  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human MDZ7 scanning oligonucleotide SEQ ID 5746.
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2100 GAGACCGAGTCTTGCTCTG 2118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2274 GGGTTTCACCGTGTTAGCC 2292
                                   2353 ATTACAGGCATGAGCCACC 2371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2143 TGATCTTGGCTCACTGCAA 2161
                                                                1 ATTACAGGCATGAGCCACC 19
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                                                                                                                                  RESULT 1977
AA166603/c
ID AA166603 standard; DNA; 24 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . AAF24672 standard; DNA; 25 BP.
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                                                                                                                                                                                                                                                           (first entry)
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Matches 19; Conservative
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                                                                                                                                                                                                                     AA166603;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Primer; polymerase chain reaction; amplify; hereditary haemochromatosis; HH; mutation; HH-associated allele; base-pair polymorphism; HHP-1;
                                                                                                                                                                                                      Gaps
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                                                               sequence sampled mapping; genomic analysis; complex genome mapping;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Primer detects marker 4072-2 in HH region of chromosome 6p2.1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 18.8; DB 1; Length 22; Best Local Similarity 90.9%; Pred. No. 2e+03; Matches 20; Conservative 0; Mismatches 2; Indels
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                                                                                                                                      DB 1; Length 22;
                                                                                                                               Query Match 0.8%; Score 18.8; DB 1; Length 2 Best Local Similarity 90.9%; Pred. No. 2e+03; Matches 20; Conservative 0; Mismatches 2; Indels
Chromosome 11 (locus D11S1115) STS primer cSRL-4b6-tA.
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18-AUG-1997 (first entry)

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Pred. No. 2e+03;
90.9%; Preq. ...
                                                                                                                                  BP.
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                                                                                                                                AAF62067 standard; DNA; 22
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  Best Local Similarity 90.9
Matches 20; Conservative
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Matches 20; Conservative
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Matches 20; Conserva
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Best Local Similarity
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                                                                                                                                                         AAF62067;
                                                                                                                                                                                                                                                                                                                                                                                                                                            AAL46346;
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Matches
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ACA88980/
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                                      Primer; polymerase chain reaction; amplify; hereditary haemochromatosis; HH; mutation; HH-associated allele; base-pair polymorphism; HHP-1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer;
                                                                                                                                                                                                                                                                                                                          Primer, polymerase chain reaction, amplify, hereditary haemochromatosis, HH; mutation, HH-associated allele, base-pair polymorphism, HHP-1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MKK4; mitogen activated protein kinase; MAPK; MAPK pathway; mutation; somatic; signal transduction; apoptosis; stress; cytokine; induction;
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               Primer detects marker 4072-2 in HH region of chromosome 6p2.1.
                                                                                                                                                                                                                                                                                                  Primer detects marker 3216-1 in HH region of chromosome 5p2.1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence tagged site (STS) 66111.T7 probe forward PCR primer.
                                                                              0.8%; Score 18.8; DB 1; Length 22; 90.9%; Pred. No. 2e+03; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 18.8; DB 1; Length 22; Best Local Similarity 90.9%; Pred. No. 2e+03; Matches 20; Conservative 0; Mismatches 2; Indels
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                                                                                                                                2113 GCTCTGTTACCCAGGCTGGAGT 2134
                                                                                                                                                                                                                                                                                                                                                                                                                 2113 GCTCTGTTACCCAGGCTGGAGT 2134
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                                                                                                                                               22 GCTCTATTGCCCAGGCTGGAGT 1
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                                                                                                                                                                                                                     AAT71997 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAZ32938 standard; DNA; 22 BP.
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AAH38401 standard; DNA; 22 BP.
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                                                                                        Best Local Similarity 90.9
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 90.9
nes 20; Conservative
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                                                                              Query Match
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AAZ32938
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  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                   Human; immunoresponse; interleukin 10; IL-10; genotype; cancer; systemic lupus erythematosus; systemic vasculitis; Felty's syndrome;
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fragile X syndrome; Huntington's disease; Parkinson's disease;
                                                                                                                                                                                                                                                                                                                                                                     Reverse PCR primer IL10S9R for IL-10 promoter amplification.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ch 0.8%; Score 18.8; DB 1; Length 22; 1. Similarity 90.9%; Pred. No. 2e+03; 20; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.8%; Score 18.8; DB 1; Length 22; 90.9%; Pred. No. 2e+03; tive 0; Mismatches 2; Indel8
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2; Indels
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Human; transformer-2-beta protein 21.89; tumour; haemopathy; PCR; HIV infection; immunological disease; inflammation; cytostatic; anti-HIV;
                                              Human alkylation DNA protein cysteine methyltransferase 11 PCR primer #2.
                                                                                             Human; alkylation DNA protein cysteine methyltransferase 11; cytostatic; haemostatic; virucide; immunomodulatory; antiinflammatory; gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hydrogenase; 9.46; enzyme; hypertension; peptic ulcer; bronchial asthma; nephrotic syndrome; Parkinson's disease; PCR; primer; ss.
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                                                                                                                                                              Query Match

0.8%; Score 18.8; DB 1; Length 24;
Best Local Similarity 90.9%; Pred. No. 2.1e+03;
Matches 20; Conservative 0; Mismatches 2; Indels
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22-FEB-2002 (first entry)
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                                                                                                                                                                                                                                                       Human; vesicular transport-associated protein 9; recombinant production; malignant tumour; cancer; blood disease; HIV infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; inflammatory bowel disease; Crohn's disease; ulcerative colitis; single nucleotide polymorphism; SNP; chromosome 19p13; paternity test;
                                                                                                                                                                                                          Human vesicular transport-associated protein 9 RT-PCR primer, SEQ ID:4.
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intestinal inflammatory disease; apoptosis; NF-kappa B; cancer;
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Query Match 0.8%; Score 18.8; DB 1; Length 24; Best Local Similarity 90.9%; Pred. No. 2.1e+03; Matches 20; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                       human; protein 8-91; diabetes; cancer; PCR; primer; RT-PCR; reverse transcription PCR; ss.
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                                                         2351 GGATTACAGGCATGAGCCACCG 2372
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Search completed: January 25, 2005, 16:22:12
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(Dases 1 to 100)

Edwards, J.B.D.M., Duclair, E. and Jordan, J.Y.

Edwards, J.B.D.M., Duclair, E. and Jordan, J.Y.

Paquence tag and encoded human protein

Patent: JP 2001269182-A 13287 02-OCT-2001;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
                                                                                                                                    3 CCACCATGCCCGGCTAATTTTTTTTTTTTAGTAGACAGGGTTTCACAGTGTTAGCC
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                                           ch 3.6%; Score 86.4; DB 1; Length 100; 1 Similarity 93.8%; Pred. No. 1.2; 90; Conservative 0; Mismatches 6; Indels
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Sequence 18683 from Patent EP1033401.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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JP 2001269182-A/13287
02-OCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/12246
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JP 2001269182-A/13287.
Homo sapiens (human)
Homo sapiens
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1 (bases 1 to 100)
Edwards, J.B.D.M., Duclair, E. and Jordan, J.Y.
Sequence tag and encoded human protein
Patent: JP 2001269182-A 14599 02-OCT-2001;
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C12N15/09, C07K14/435, C07K16/18, C12N1/15, C12N1/19, C12N1/21,
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                                                                                                                      Location/Qualifiers
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JP 2001269182-A/14599. Homo saptens (human)
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Pred. No. 1.2;
0; Mismatches
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Best Local Similarity 93.8%; Pred. No. 1.2;
Matches 90; Conservative 0; Mismatches
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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DEFINITION

ACCESSION VERSION KEYWORDS

REFERENCE AUTHORS TITLE JOURNAL

FEATURES

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Homo sapiens (human)
JP 2002010789-A/9140
IS-JAN-2002
07-AUG-2000 JP 2000280989
05-AUG-1999 US 60/147499
JEAN BAPUTIST DUMAS MILNE EDWARDS, SEVELIN JOBERT, JEAN EVE PI
                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 94)
Edwards,J.B.D.M., Jobert,S. and Giordano,J.E.
EST and encoded human protein
Patent: JP 2002010789-A 9140 15-JAN-2002;
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism='Homo sapiens (human)'.
Location/Qualifiers
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Key Location/Qualifiers
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Sequence 28026 from Patent EP1033401.
AX912163
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/db_xref="taxon:9606"
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      BD117063.1 GI:23211967
JP 2002010789-A/9140.
Homo sapiens (human)
Homo sapiens
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                                                                   PAT 18-DEC-2003
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Mammalia; Eutheria; Primates, Catarrhini, Hominidae; Homo.
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Patent: EP 1104808-A 13007 06-JUN-2001;
Genset (FR)
                                                                                                                                                                             M Unknown.
Unclassified.
3 I (bases I to 94)
S Edwards J. B. D. M., Jobert. S. and Giordano, J.-Y.
EST's and encoded human proteins
AL Patent: US 6639083-A 13007 28-OCT-2003;
Location/Qualifiers
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                                                        Sequence 13007 from patent US 6639063. AR421510. GI:40176620
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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1 (bases 1 to 94)

Edwards, J.B.D.M., Duclair, E. and Jordan, J.Y.

Sequence tag and encoded human protein
Patent: JP 2001269182-A 23942 02-OCT-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 TAGTAGAGACGAGGTTTCACCGAATTAGCCAGGATGGTCTCGATCTCCTGACCTTGTGAT 60
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JP 2001269182-A/23942
02-CCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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1 BD047696.
1 BD047696.1 GI:22589438
JP 2001263182-A/23942.
Homo sapiens (human)
1 Homo sapiens
                           2323 CCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTA 2356
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Sequence 33 from Patent WO0151632.
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    .94
    /organism="Homo sapiens"
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PD 02-10
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Sobrek,K.A. and Li,L.
Odorant receptor polypeptides and nucleic acids encoding same Patent: WO 0151632-A 48 19-JUL-2001;
Curagen Corporation (US)
Location/Qualifiers
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 95.4%; Pred. No. 2.2;
Matches 83; Conservative 0; Mismatches
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1 Similarity 95.4%; Pred. No. 2.2;
83; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 41 from Patent WO0151632.
AX197476
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                           2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATC
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                                                              Length 94;
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AX916923
AX916923.1 GI:40210712
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                                                            Query Match
3.4%; Score 80.6; Di
Best Local Similarity 95.4%; Pred. No. 2.2;
Matches 83; Conservative 0; Mismatches
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3.4%; Score 80.6; I
Best Local Similarity 90.5%; Pred. No. 2.2;
Matches 86; Conservative 0; Mismatches
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .95
    /organism="Homo sapiens"
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/db_xref="taxon:9606"

                                                                                                                                                                                    2346 TGCTGGGATTACAGGCATGAGCCACCG 2372
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JP 2001269182-A/28702
02-0CT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
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AX916923
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 8)

Cavrois,M., Gessain,A., Gout,O., Wain-Hobson,S. and Wattel,E.
Common human T cell leukemia virus type 1 (HTLV-1) integration sites in cerebrospinal fluid and blood lymphocytes of patients with HTLV-1-associated myelopathy/tropical spastic paraparesis indicate that HTLV-1 crosses the blood-brain barrier via clonal
HTLV-1-infected cells
J. Infect. Dis. 182 (4), 1044-1050 (2000)
                                                                          ; C12P21/02,C12P21/08,C12Q1/68//G06F17/30,C12N15/00,C12N5/00, PC
G06F15/40
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Homo sapiens clone C317, HTLV-1 integration site flanking region.
AY003889
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                                                 C12N15/09, C07K14/435, C07K16/18, C12N1/15, C12N1/19, C12N1/21, PC
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JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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2 (bases 1 to 89)
Cavrois,M., Gessain,A., Gout,O., Wain-Hobson,S. and Wattel,E.
Direct Submission
Submitted (26-JJW-2000) Unite d'Oncogenese Virale, Centre Leon
Berard, Lyon, France
Location/Qualifiers
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/note="downstream of HTLV-1 integration site"

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0; Mismatches
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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Matches 86; Conservative
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Matches 82; Conserv
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                                                                                                                             Mammalla; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 89)

2 (avois, M., Gessain, A., Gout, O., Wain-Hobson, S. and Wattel, E.

Common human T cell leukemia virus type 1 (HTLV-1) integration sites in cerebrospinal fluid and blood lymphocytes of patients with HTLV-1-associated myelopathy/tropical spastic paraparesis indicate that HTLV-1 crosses the blood-brain barrier via clonal
                    AX003892 89 bp DNA linear PRI 01-APR-2004
Homo sapiens clone C307, HTLV-1 integration site flanking region.
AY003892
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/note="downstream of HTLV-1 integration site"

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 3.4%; Score 80.2; DB 1; Length 89; Best Local Similarity 96.5%; Pred. No. 2.2; Matches 82; Conservative 0; Mismatches 3; Indels
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20, Infect. Dis. 182 (4), 1044-1050 (2000)
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/clone="C307"
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RESULT 16
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3.4%; Score 80; DB 1; Length 100;

Query Match

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                                                                                                     96 TITITIGIATITITAGIAGAGACAGGITITCAGCAIGITGGCCAGGCTGGICTCAAACTC 37
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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24-FEB-2000 DF 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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                        10; Indels
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Edwards, J. B. D. M., Duclair, E. and Jordan, J.Y.
Sequence tag and encoded human protein
Patent: JP 2001269182-A 11034 02-0CT-2001;
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                                                                                                                                                2310 CTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAG 2345
                                                                                                                                                                        CTGACCTTGTGATCCATCCACCTCGGCCTCCCAAAG 1
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    Pred. No. 2.4;
                      0; Mismatches
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Sequence 52 from Patent WO0151632.
AX197487
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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JP 2001269182-A/11034
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89.68;
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Best Local Similarity 89.6
Matches 86; Conservative
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BD038739/c
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AX903206/c
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DEFINITION
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1 (bases 1 to 90)

Edwards, J. B. D. M., Duclair, E. and Jordan, J. Y.

Sequence tag and encoded human protein

Patent: JP 2001269182-A 23561 02-OCT-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Spyrek, K.A. and Li,L. Odorant receptor polypeptides and nucleic acids encoding same Patent: WO 0151632A 52 19-JUL-2001; Curagen Corporation (US)
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                                                                                                                                                        DB 1; Length 94;
                                                                                                                                                                                                                                                                                                                                                                                      linear
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Sequence tag and encoded human protein.
BD047315
BD047315.1 GI:22589057
JP 2001269182-A/23561.
Homo sapiens (human)
Homo sapiens
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Sequence 27645 from Patent EP1033401.
AX911782

    .94
    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

                                                                                                                                                      3.3%; Score 79; DB ilarity 94.3%; Pred. No. 2.6; Conservative 0; Mismatches
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                             Location/Qualifiers
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Conservative
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nes 82; Conserv
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nes 82; Conserv
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Best Local S:
Matches 82
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Best Local S
Matches 82
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ACCESSION
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KEYWORDS
SOURCE
ORGANISM
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BD047315/c
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              TITLE
JOURNAL
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AUTHORS
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AUTHORS
TITLE
JOURNAL
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C12P21/02,C12P21/08,C12Q1/68//G06F17/30,C12N15/00,C12N5/00, PC G06F15/40
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Homo sapiens (human)
JP 2001269182-A/23561
202-OCT--2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES JORDAN
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Pred. No. 2.8;
0; Mismatches 5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 3.3%; Score 78.4; DB 1;
Best Local Similarity 91.1%; Pred. No. 2.8;
Matches 82; Conservative 1; Mismatches 7;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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Best Local Similarity 94.2%;
Matches 81; Conservative
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Homo sapiens (human)
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BD074010/c
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G06F15/40
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                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

1 (Dases 1 to 86)

Edwards, J.B.D.M., Duclair, E. and Jordan, J.Y.

Sequence tag and encoded human protein

Patent: JP 2001269182-A 14985 02-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                          Homo sapiens (human)
JP 2001269182-A/14985
02-CCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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3.1%; Score 74.2; DE
Best Local Similarity 90.8%; Pred. No. 4.5;
Matches 79; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 37 from Patent W00151632.
AX197472
AX197472.1 GI:15387842
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BD038739.1 GI:22580481
JP 2001269182-A/14985.
Homo sapiens (human)
Homo sapiens
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Homo sapiens
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PC C12P2
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AX197472/c
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OS Unidentified
PN JP 2001513996-A/49
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, AG1K31/47, AG1K31/7088, AG1K48/00, AG1P35/00, C07H21/00,
PC C12N15/09 AG1K31/47, AG1K31/7088, AG1K48/00, AG1P35/00, C07H21/00,
PC STANDGADERS: BOTh;
CC Antisense oligonucleotide specific to MDM2
FF SOUNCE Location/Qualifiers
FT SOUNCE Location/Qualifiers
FT FOUNCE LOCATION/Qualifiers
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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N BD074010
BD074010.1 GI:22619613
JP 2001513996-A/49.
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Chen, J., Agrawal, S. and Zhang, R.
Antisense Oligonucleotide specific to MDM2
Parent: JP 2001513996-A 49 11-SBP-2001;
HYBRIDON INC
OS Unidentified
PN JP 2001513996-A/49
PD 11-SBP-2001
PP 18-AUG-1998 JP 2000507794
PP 22-AUG-1997 US 08/916384, 06-MAY-1998
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Location/Qualifiers
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2346 TGCTGGGATTACAGGCATGAGCCACCG 2372

    .73
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/organism="Homo sapiens"
                                     32 TGCTGGGATTACAGGCGTGAGCCACCG
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BD036262
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                                                                                                         Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalla, Eutheria, Primates, Catarrhini, Hominidae, Homo. 1. (Dases 1 to 76) Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y. Squence tag and encoded human protein Patent: JP 2001269182-A 13680 02-OCT-2001; GENSET
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7P 2001269182-A/13680
02-02-02-003 JP 2000118773
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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                                        Length 76;
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BD037434
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                                                                                           2285 TGTTAGCCAGGATGGTCTCGATCTCCTGACCTCG
                                      Match
3.1%; Score 72.8; I
Local Similarity 97.4%; Pred. No. 4.7;
es 74; Conservative 0; Mismatches
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JP 2001269182-A/13680.
Homo sapiens (human)
Homo sapiens
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Homo sapiens
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BD037434/c
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AX900729
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C12P21/02, C12P21/08, C12Q1/68//G06F17/30, C12N15/00, C12N5/00, PC
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1 (bases 1 to 84)

Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y.

Saquence tag and encoded human protein

Patent: JP 2001269182-A 12508 02-OCT-2001;

GENSET
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                                                   Dumas Milne Edwards,J.B., Duclert,A. and Giordano,J.Y. Expressed sequence tags and encoded human proteins Patent: EP 1033401-A 16592 06-SEP-2000; Genset (FR)
                                                                                                                                                                                                                                                                                         Query Match 3.0%; Score 71.4; DB 1; Length 84; Best Local Similarity 92.6%; Pred. No. 5.9; Matches 75; Conservative 0; Mismatches 6; Indels
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3.0%; Score 71.4; DE
Best Local Similarity 92.6%; Pred. No. 5.9;
Matches 75; Conservative 0; Mismatches
                                                                                                                                                                                1. .84
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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JP 2001269182-A/12508.
Homo sapiens (human)
Homo sapiens
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Homo sapiens (human)
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Matches 74; Conservative
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1 (Dases 1 to 79)
8 dwards,J.B.D.M., Duclair,E. and Jordan,J.Y.
Sequence tag and encoded human protein
Patent: JP 2001269182-A 24024 02-OCT-2001;
                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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JP 2001269182-A/24024
02-CCT-2010
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122467
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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                                                                         AX912245 79 bp DNA Sequence 28108 from Patent EP1033401. AX912245 GI:40206034
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93.7%; Pred. No. 5.9;

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/organism="Homo sapiens"
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Homo sapiens
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Gaps
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Location/Qualifiers
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Sequence 15415 from Patent EP1033401.
AX899552
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Wed Jan 26 12:47:31 2005

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2251 ITTTGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCC 2310
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1 (bases 1 to 92)

Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y.

Saquence tag and encoded human protein

Patent: JP 2001269182-A 11331 02-OCT-2001;

GENSET
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JP 2001265182-A/11331
2-OCT-2000
24-FEB-2000 JP 2000118773
26-FEB-1999 US 66/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
               1 TITITGIAITITIAGTAGAGACGGGTITCACCATGTIGGTCAGGCTGGTCTTGAACTCC
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Edwards, J.-B.D.M., Jobert, S. and Giordano, J.-Y.

EST's and encoded human proteins

Patent: US 6639063-A 12767 28-OCT-2003;

Location/Qualifiers
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Sequence 12767 from patent US 6639063.
AR421270.1 GI:40176380
                                                                                                                                             92 bp DNA Sequence tag and encoded human protein. BD035085
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    .92
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/mol_type="genomic DNA"
/db_xref="taxon:9606"

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BD035085.1 GI:22576827
JP 2001269182-A/11331.
Homo sapiens (human)
Homo sapiens
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Unclassified.
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PC C12P2
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AR421270
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1 (Dases 1 to 85)
Edwards, J.B.D.M., Jobert, S. and Giordano, J.E.
Edwards, J.B.D.M., Jobert, S. and Giordano, J.E.
Est and encoded human protein
Patent: JP 2002010789-A 8900 15-JAN-2002;
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JP 2002010789-A/8900
15-JAN-2002
07-AUG-2000 JP 2000280989
05-AUG-1999 US 60/147499
JEAN BAPUTIST DUMAS MILNE EDWARDS, SEVELIN JOBERT, JEAN EVE
                                                                                                                                                                                        1 ATTTTCATAGAGACATGGTTTCACCATGTTAGCCATGATGGTCTCGATCTCCTGACCTC
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Patent: EP 1104808-A 12767 06-JUN-2001;
Genset (FR)
                                                                        Length 85;
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AX981964
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                                                                      2.8%; Score 66.6; 1
84.7%; Pred. No. 10;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 84.7%; Pred. No. 10;
Matches 72; Conservative 2; Mismatches
/organism="unknown"
/mol_type="genomic DNA"
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EST and encoded human protein.
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JP 2002010789-A/8900.
Homo sapiens (human)
Homo sapiens
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                                                                                           84.78;
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                                                                                           Best_Local Similarity 84.79
Matches 72; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
Unclassified.
1 (bases 1 to 84)
de la Monte,S. and Wands,J.R.
Neural thread protein gene expression and detection of Alzheimer's
           C12N15/09, C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, PC
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                                                                                         /organism='Homo sapiens (human)'. Location/Qualifiers
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                                                                                                                                                                             Score 66.6; DB 1; Length 8
Pred. No. 10;
2; Mismatches 11; Indels
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AR072661.
AR072661.1 GI:9999425
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Sequence 91 from patent US 5830670.
AR051521
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disease
Patent: US 5830670-A 91 03-NOV-1998;
Location/Qualifiers
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/mol_type="unassigned DNA"
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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1 (bases 1 to 84)
de la Monte, S. and Wands, J.R.
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Best Local Similarity 84.7%;
Matches 72; Conservative 2
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de la Monte, S. and Wands, J.R.
Neural thread protein gene expression and detection of Alzheimer's
Neural thread protein gene expression and detection of alzheimer's
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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2.8%; Score 65.4; DB 1; Length 8
Best Local Similarity 86.7%; Pred. No. 12;
Matches 72; Conservative 0; Mismatches 11; Indels
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Patent: US 5948888-A 91 07-SEP-1999;
Location/Qualifiers
                                             Patent: US 5948634-A 91 07-SEP-1999;
Location/Qualifiers
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Best Local Similarity 86.7%; Pred. No. 12;
Matches 72; Conservative 0; Mismatches
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/wol_type="unassigned DNA"
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Sequence 91 from patent US 5948888.
AR073206
                                                                                                                 /organism="unknown"
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/organism≃"Homo sapiens"
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Homo sapiens
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AX523168/c
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PC C12P21/02,C12P21/08,C12Q1/68//G06F17/30,C12N15/00,C12N5/00, PC
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1 (bases 1 to 81)
2 (Badards, J.B.D.M., Duclair, E. and Jordan, J.Y.
Sequence tag and encoded human protein
Pateni: JP 2001269182-A 11932 02-OCT-2001;
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JP 2001269182-A/11932
02-OCT-2010
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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                                                                                                                      2 TATITINNITITAAGIAGAGACAGGGTTTCATCGTGTTTGCCAGGATGRTCTCAAACTCCTG
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                                          Length 81;
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                                                                                           2253 TTTGTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCT
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                                         DB 1;
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Location/Qualifiers
                                                                                                                                                                                                                                                       Sequence tag and encoded human protein.
BD035686.1 GI:22577428
BD035686.1 GI:22577428
HOMO sapiens (human)
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Sequence 12590 from Patent W00210449.
CQ542955
CQ542955.1 GI:41509219
                                                                  1; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                       Score 62.2;
Pred. No. 16;
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84.8%; Pred. No. 16

    .81
    /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

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                                         2.6%;
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Homo sapiens
                                       Query Match 2.6
Best Local Similarity 84.8
Matches 67; Conservative
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Best Local Similarity
Matches 67; Conserv
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BD035686
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                              Shoshan, A., Wasserman, A., Mintz, E., Mintz, L. and Faigler, S. Oligonucleotide library for detecting rna transcripts and splice variants that populate a transcriptome

Patent: WO 0210449-A 12590 07-FEB-2002;
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18;
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Location/Qualifiers
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Sequence 838 from Patent WO02064731.
AX523168
AX523168.1 GI:24412122
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Pred. No. 19;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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2351 GGATTACAG 2359
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Best Local Similarity
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Memo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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Location/Qualifiers
                                       Patent: WO 02064731-A 838 22-AUG-2002;
                                                                                                                                                 2.5%; Score 58.4; Di
91.2%; Pred. No. 23;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                           AX522779 68 bp Di
Sequence 449 from Patent WO02064731.
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                                                                              1. .68
/organism="Homo sapiens"
/mol_type="unassigned DNA"
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/db xref="taxon:9606"
                                                    Molecular Engines Laboratories (FR)
Location/Qualifiers
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                                                                                                                                         Query Match
Best Local Similarity 91.2%
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Best Local Similarity 85.3%
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AX260697
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Meagher, M.J., Xu, J. and King, G.E. Compositions and methods for therapy and diagnosis of colon cancer Patent: WO 0173027-A 348 04-OCT-2001; CORIXA CORPORATION (US)
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BD036670.

BD036670.

BD036670.

JG1:22578412

Homo sapiens (human)

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

Dases I to 65)

Edwards, J.B.D.M., Duclair, E. and Jordan, J.Y.

Sequence tag and encoded human protein

Patent: JP 2001269182-A 12916 02-0CT-2001;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Expressed sequence tags and encoded human proteins 
Patent: EP 1033401-A 17000 06-SEP-2000; 
Genset (FR)
                                                                                                                                                                                                                                                                   Length 69;
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                                                                                                                                                                                                                                                                                                                        8; Indels
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                                                                                                                                                                                                                                                                   DB 1;
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AX901137
                                                                                                                                                                                                                                                                ch 2.4%; Score 56.2; D
1 Similarity 88.4%; Pred. No. 29;
61; Conservative 0; Mismatches
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Best Local Similarity 90.6%; Pred. No. 34;
Matches 58; Conservative 0; Mismatches
                                                                                                                                 1. .69
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .65
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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COMMENT

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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Homo sapiens
Homo sapiens
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.
1 (bases 1 to 68)
Edwards, J. B. D. M., Jobert, S. and Giordano, J. E.
                                                                                                                                                                                                                                                                                                                                                                                                                                    2189 TCTCCTGCCTCAGCCTCCCAATTAGCTTGGCCTACAGTCATCTGCCACCACCACCTGGCTA
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Patent: EP 1104808-A 7999 06-JUN-2001;
Genset (FR)
                                                                                                                                                                                                                                                                                                                                                                                  10; Indels
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                                                                      1 (bases 1 to 68)
Edwards, J. B.D.M., Jobert, S. and Giordano, J.-Y.
EST's and encoded human proteins
Patent: US 6639063-A 7999 28-OCT-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                             DB 1;
46;
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Best Local Similarity 85.3%; Pred. No. 46;
Matches 58; Conservative 0; Mismatches 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA
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AX977196
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2.2%; Score 52; DB
Best Local Similarity 85.3%; Pred. No. 46;
Matches 58; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                  1. .68
/organism="unknown"
/mol_type="genomic DNA"
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BD112055.1 GI:23206873
JP 2002010789-A/4132.
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AX977196/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
              Homo sapiens (human)
JP 2001269182-A/12916
02-OCT-2000
-24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122467
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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Pred. No. 43;
0; Mismatches 5; Indels
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AR416502.
RR416502.1 GI:40171612
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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/organism="Homo sapiens"
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    .65
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AXS23219.1 GI:24412173
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il Similarity 91.7%;
55; Conservative (
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Best Local Similarity
Matches 55; Conservat
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              OS Homo 6
PN JP 200
PD 02-0CT
PF 24-FEE
PI JEAN E
PI JORDAN
PC C12N15/10,
PC C12P21
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AX523219/c
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AR416502/c
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Length 68;

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PAT 18-SEP-2002

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Homo sapiens
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Homo sapiens clone ENaC+22 epithelial sodium channel alpha subunit (SCNNIA) mRNA, alternatively spliced,/partial sequence.
                                                                                                                                PI
                                                                                                                                                            C12N15/09, C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, PC
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1 (bases 1 to 66)
0h,Y.S., Lee,S., Won,C. and Warnock,D.G.
An Alu cassette in the human epithelial sodium channel
Biochim. Biophys. Acta 1520 (1), 94-98 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  68 TCTCCTGCCTCCCGAGTAGCTGGGACTACAGGCACCCGCCACCGCCCGGCTA 9
                                             Demo sapiens (human)
JP 2002010789-A/4132
JP 2002010789-A/4132
07-AUG-20002
05-AUG-1999 US 60/147499
JEAN BAPUTIST DUMAS MILNE EDWARDS, SEVELIN JOBERT, JEAN EVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="alternatively spliced epithelial sodium channel
alpha subunit containing intronic Alu sequence"
                                                                                                                                                        PC C12N1/21,
C12N1/21,
PC C12N5/10,C12P21/02,C12P21/08,C12Q1/68,C12N15/00,C12N5/00,
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                                                                                                                                                                                                                                                                     /organism='Homo sapiens (human)'.
Location/Qualifiers
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85.3%; Pred. No. 46;
85.3%; Pred. No. 46;
mismatches 10; Indels
EST and encoded human protein
Patent: JP 2002010789-A 4132 15-JAN-2002;
GENSET CORP
OS HOme sapiens (human)
PN JP 2002010789-A/4132
PD 15-JAN-2002
PP 07-AUG-2000 JP 2000280989
PR 05-AUG-1999 US 60/147499
PI JEAN BAPUTIST DUMAS MILNE EDWARDS, SEVEI
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EST and encoded human protein
Key Location/Qualifiers
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/organism="Homo sapiens"
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/organism="Homo sapiens"
/mol_type="mRNA"
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/db_xref="taxon:9606"
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/gene="SCNN1A"
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Oh, Y. and Warnock, D.G.
Direct Submission
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Best Local Similarity 85.3
Matches 58; Conservative
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1 (bases 1 to 68)
Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y.
Eqwards,J.B.D.M., Duclair,E. and Jordan,J.Y.
Baguence tag and encoded human protein
Patent: JP 2001269182-A 11023 02-OCT-2001;
GENSET
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Expressed sequence tags and encoded human proteins
Patent: EP 1033401-A 15107 06-SBP-2000;
Genset (FR)
     Length 66;
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                                                    Indels
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     DB 1;
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Sequence 15107 from Patent EP1033401.
AX899244
  Score 51.6; D
Pred. No. 47;
0; Mismatches
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JP 2001259182-A/11023
02-OCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/12246
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JP 2001269182-A/11023.
Homo sapiens (human)
Homo sapiens
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ch 2.2%;
1 Similarity 93.1%;
54; Conservative C
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Best Local Similarity
Matches 53; Conserv
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PC C12P21
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1 (Dases 1 to 64)

Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y.

Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y.

Pageuence tag and encoded human protein

Patent: JP 2001269182-A 15714 02-OCT-2001;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Pred. No. 52;
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Location/Qualifiers.
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Best Local Similarity 87.3%; Pred. No. 55;
Matches 55; Conservative 0; Mismatches
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/db_xref="taxon:9606"
                                       /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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JP 2001269182-A/15714
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Matches 57; Conservative (
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
02-OCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS,EIMERIC DUCLAIR, JEAN YVES
                                                                                                               C12N15/09, C07K14/435, C07K16/18, C12N1/15, C12N1/19, C12N1/21,
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Mrna molecules to be used as indicators of the functional and activational state of t-lymphocytes
Patent: EP 116276-A 192 12-DBC-2001;
Lynx Therapeutics GmbH (DE)
Location/Qualifiers
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87.3%; Pred. No. 55;
tive 0; Mismatches
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Sequence 192 from Patent EP1162276.
AX322319
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                               1. .64
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Homo sapiens
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Homo sapiens
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Matches 55; Conservative
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(basel 1 to 64)
Gerken, S.C., Matsunami, N., Plaetke, R., Albertsen, H., Ballard, L., Melis, R., Lawrence, E., Moore, M., Holik, P.R., Carlson, M., Zhao, X., Pobertson, M., Bradley, P., Elsner, T., Tingey, A., Lalouel, J.-M. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Genetic and physical mapping of simple sequence repeat containing sequence tagged sites from the human genome Unpublished (1994)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Original source text: Homo sapiens DNA.
Submitted by: Utah Center for Human Genome Research University of
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               Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0147944-A 5324 05-UUL-2001;
Curagen Corporation (US)
Location Qualifiers
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1 (bases 1 to 51)
Shimkets,R.,A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
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Human STS UT5223, 5' primer bind, sequence tagged site.
L31134
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="Accession number cg43287619"
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Patent: US 6670464-A 1171 30-DEC-2003;
Location/Qualifiers
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US 6670464.
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Pred. No. 53;
0; Mismatches
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/organism="unknown"
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AR444760
AR444760.1 GI:42672539
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98.0%;
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Best Local Similarity
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Matches 50; Conserv
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014021-1A 4818 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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                                                                                                                                                           Denaturation Annealing Extension 5 50 C 10 sec. 72 C 20 sec. 30 9 sec. 72 C 20 sec. Mg++: 0.00 mM
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            2160 Eccles Institute of Human Genetics
Salt Lake City, UT 8412
e-mail: ste@corona.med.utah.edu
Primer A: CACTGCACTCCAGGCTGGG
Primer B: AGGTTGAGGCTGCAGTGGG
End to Label: Primer B
PCR Profile:
Initial Denaturation: 94C 3008ec
Cycles Denaturation Annealing Exte
C 10 sec. 50 C 10 sec. 72 C 20 sec. 30
50 C 10 sec. 72 C 20 sec. Mg++: 0.00 mM
Gel: Acrylamide 7%, Pormamide 32%, Urea 34%
Alleles: 0.
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Seguence 4818 from Patent WO0140521.
AX161490
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Sequence 6641 from Patent WO0140521.
AX163313 GI:14544644
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89.5%; Pred. No. 69;
tive 0; Mismatches
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                  1. .64
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
5. .23
/evidence=experimental
Utah, Dept. of Human Genetics
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Homo sapiens
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AX163313/c
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AR444761
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                                                                                                           FEATURES
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                               Eukaryota, Metazoa; Chordata; Craniata; Vertebrata, Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bukaryoča, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalla, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                          /note="1 of 2 allelic variants (6642 is other entry)
Accession number cg42657675"
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Accession number cg42657675"
                                                                     Shimkets, R. A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140521-A 6641 07-JUN-2001;
Curagen Corporation [US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014021-A 6779 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                               2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 6779 from Patent WO0140521.
AX163451
AX163451.1 GI:14544782
                                                                                                                                                                                                                                                                                      2.0%; Score 47.8; D 96.1%; Pred. No. 63; cive 0; Mismatches
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    .51
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                                                                                                                                     location/Qualifiers
Homo sapiens (human)
Homo sapiens
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Best Local Similarity 96.1
Matches 49; Conservative
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SOURCE
ORGANISM
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SOURCE
ORGANISM
SOURCE
ORGANISM
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AX163451/c
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ACCESSION
VERSION
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AX199317/c
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VERSION
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AUTHORS
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AUTHORS
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                                                              and
                                                                                                                                                                                                                                                                     /note="1 of 2 allelic variants (248 is other entry)
Accession number cg39662754"
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Butelé
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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                                  Shimkets, R.A. and Leach, M.D.

Nucleic acids containing single nucleotide polymorphisms methods of use thereof
Patent: WO 0151670-A 247 19-JUL-2001;
Curagen Corporation (US).
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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US 6670464.
                                                                                                                                                                                                                                                                                                                               ; Score 47.8; DE; Pred. No. 63; 0; Mismatches
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Sequence 592 from Patent WO02064731.
                                                                                                                                                                                                    /mol_type="unassigned DNA"
/db_xref="taxon:9606"
26
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94.2%; Pred. No. 68;
tive 0; Mismatches

    .52
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                                                                                                                                                                       organism="Homo sapiens"
                                                                                                                                              Location/Qualifiers
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AR444761
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1 Similarity 96.1%;
49; Conservative (
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Best Local Similarity 94.27
Best Local 49; Conservative
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Best Local Similarity
Matches 49; Conserv
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PAT 18-MAR-2002

linear

DNA

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AX378746 47 bp 1
Sequence 535 from Patent WO0206525.
AX378746
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Homo sapiens
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Best Local Similarity
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Matches 47; Conserv
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                                                               DEFINITION
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AX118001/c
                                                                                                                                   ORGANISM
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                          RESULT 71
AX378746
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KEYWORDS
SOURCE
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KEYWORDS
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                          King, G.E., Meagher, M.J., Xu, J. and Secrist, H.
Compositions and methods for the therapy and diagnosis of colon
                                                                                             0; Gaps
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                                                                                                                        2350
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1 (bases 1 to 47)

2 (ohen,D., Chumakkv,I. and Blumenfeld,M.

Biallelic markers for use in constructing a high density disequilibrium map of the human genome

Patent: US 6537751-A 3882 25-MAR-2003;

Location/Qualifiers
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                                                                                                                                  CTGGATCTCCTGACCTCGTGATCCACCCACCTTGGCCTCCCAAAGTGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 ACAGGGTTTCACCGTGTTAGCCAKGATGGTCTCGATCTCCTGACCTC 47
                                                                                                                       2301 CTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTG
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                                                                  DB 1; Length 51;
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                                                                                                                                                                                                                                                                                                                                                                                                Patent: WO 0212328-A 1171 14-FEB-2002;
CORIXA CORPORATION (US)
Location/Qualifiers
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US 6537751.
                                                                 Score 46.8; Di
Pred. No. 71;
0; Mismatches
                                                                                                                                                                                                             Sequence 1171 from Patent W00212328.
AX396956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.0%; Score 46.8; Dl
Similarity 87.9%; Pred. No. 76;
11; Conservative 0; Mismatches
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Best Local Similarity 97.9%; Pred. No. 69;
Matches 46; Conservative 1; Mismatches
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. .47
/organism="unknown"
/mol_type="genomic DNA"
                                      /mol_type="genomic DNA"
Location/Qualifiers
                        /organism="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3882 from patent
AR292147
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                                                                 2.0%;
                                                                                                                                                                                                                                                                                     Homo sapiens (human)
                                                               Query Match
Best Local Similarity 96.0%
Matches 48; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                     cancer
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Best Local Simi
Matches 51;
                                                                                                                                                                                                                                                                                    SOURCE
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              Bource
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DEFINITION
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                  Cohen, D., Blumenfeld, M., Chumakov, I., Abderrahim, H. and Bihain, B. Obestty associated biallelic marker maps
Patent: WO 0206525-A 535 24-JAN-2002;
GENSET (FR)
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Mrna molecules to be used as indicators of the functional and activational state of t-lymphocytes

activational state of t-lymphocytes

Patent: EP 1162276-A 62 12-DEC-2001;

Lynx Therapeutics GmbH (DE)

Location/Qualifiers
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                                                                                                                                                                                                                                                                                                              /note="99-4582-359 : polymorphic base G or T"
                                                                                                                                                                                                                                                                                                                                                                                                                                                      2271 ACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
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                                                                                                                                                                                                                                                                                                                                                               Length 47;
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Sequence 3124 from Patent W00129262.
AX118001. GI:14034952
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97.9%; Pred. No. 69;
tive 1; Mismatches
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/db_xref="taxon:9606"
                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 62 from Patent BP1162276.
AX322189
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/organism="Homo sapiens"
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AX163452/c
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                                             Eukaryoča, Metazoa; Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalla, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg43971764"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 014651-A 4817 07-JUN-2001,
Curagen Corporation (US)
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                                                                                       Picoult-Newburg, L. and Pohl, M. Genctyping reagents, kits and methods of use thereof Patent: WO 0129262-A 3124 26-APR-2001; Orchid Biosciences, Tinc. (US)
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Sequence 6642 from Patent WO0140521.
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94.1%; Pred. No. 75;
iive 0; Mismatches
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1 Similarity 94.1%; Pred. No. 75;
48; Conservative 0; Mismatches

    .51
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX161489.1 GI:14542820
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AX163314.1 GI:14544645
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Homo sapiens
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                sapiens (human)
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Matches 48; Conservative
                                Homo sapiens
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AX163314/c
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AX161489
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Homo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Accession number cg42657675"
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Accession number cg42657675"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 0140521-A 6780 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0138586-A 152 31-MAY-2001;
  acids containing single nucleotide polymorphisms and
                                                                                                                                                                                                                                                                                                                                                                                               2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
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                       of use thereof WO 0140521-A 6642 07-JUN-2001;
Corporation (US)
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/organism="Homo sapiens"
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1.9%; Score 46.2; D
Best Local Similarity 94.1%; Pred. No. 75;
Matches 48; Conservative 0; Mismatches
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1.9%; Score 46.2; D
Best Local Similarity 94.1%; Pred. No. 75;
Matches 48; Conservative 0; Mismatches
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Sequence 152 from Patent W00138586.
AX164957
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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Nucleic acids contain
methods of use thereo
Patent: WO 0140521-A
Curagen Corporation (
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BD053372/c
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AX917839/c
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Mammalia, Eutheria, Primates; Catarrhini, Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0151670-A 248

Curagen Corporation (US)
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Accession number cg39662754"
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                                                                                                                                        DB 1; Length 51;
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                                                                                              /note="single nucleotide polymorphism
Accession number cg40986905"
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0; Mismatches
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WO0129262.
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1.9%; Score 46.2; D
Best Local Similarity 94.1%; Pred. No. 75;
Matches 48; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                       /mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                         Sequence 248 from Patent WO0151670.
                                        /organism="Homo sapiens"
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Best Local Similarity 94.1%;
Matches 48; Conservative (
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Edwards, J.B.D.M., Duclair, B. and Jordan, J.Y.
Sequence tag and encoded human protein
Patent: JP 2001269182-A 29618 02-OCT-2001;
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                                                                                                                                                                      TCTCGATCTCCTGACCKCGTGATCCGCCCGCCTTGACTCCCCAAAGTGCTG
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Sequence 33702 from Patent EP1033401.
AX917839
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1 Similarity 87.7%; Pred. No. 83;
50; Conservative 0; Mismatches
                                                             ch 1.9%; Score 45.8; I Similarity 92.2%; Pred. No. 79; 47; Conservative 1; Mismatches
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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JP 2001269182-A/29618
02-OCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
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JP 2001269182-A/29618.
Homo sapiens (human)
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                                                             Query Match
Best Local Similarity
Matches 47; Conserva
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Best Local Similarity
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KEYWORDS SOURCE ORGANISM

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DEFINITION RESULT 82 AY283614

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PAT 22-JUN-2001

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Accession number cg38629253"
                                                                                                                                                                                                                                                                                                 /note="1 of 2 allelic variants (4266 is other entry)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014051-A 6530 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                             Shimkets, R.A. and Leach, M.
Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms methods of use thereof
Patent: WO 0140521-A 4265 07-JUN-2001;
Curagen Corporation (US)
Location/Qualifiers
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Sequence 2868 from Patent WO0129262.
AXI17745
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Sequence 6530 from Patent WO0140521.
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94.0%; Pred. No. 84;
ive 0; Mismatches
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94.0%; Pred. No. 84;
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/db_xref="taxon:9606"
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/organism≃"Homo sapiens"
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Best Local Similarity 94.0%;
Matches 47; Conservative
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Homo sapiens (human)
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Homo sapiens (human)
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E 1 (Dases 1 to 50)

E Camer, S.D., Chang, B.-L., Rao, A., Hawkins, G.A., Chang, S., Wade, W.N., Cooke, R.T., Thomas, L.N., Bleecker, E.R., Catalona, W.J., Sterling, D.A., Meyers, D.A., Ohar, J. and Xu, J. Association between Genetic Polymorphisms in the Prostate-specific Antigen Gene Promoter and Serum Prostate-specific Antigen Levels

L J. Natl. Cancer Inst. Monographs (2003) In press

E Cramer, S.D., Xu, J. and Hawkins, G.A.

S. Cramer, S.D., Xu, J. and Hawkins, G.A.

L Submitted (25-APR-2003) Cancer Blology, Wake Forest University School of Medicine, Medical Center Blvd, Winston-Salem, NC 27157,
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                                                                                                                                                                                                     57 TITIGINITITAGTAGAGACGTGGTTTCACCGTGTTCACCGGGATGGTCTCGAACT
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AY283614 GI:32879294
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Sequence 4265 from Patent WO0140521.
AX160937
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                                                                                                 Score 45.8;
Pred. No. 83;
                                                                                                                                        0; Mismatches
1. .57
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

    50
    /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"

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/frequency="0.02"
/replace="t"
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/map="19q13.4"
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                                                                                                 ch 1.9%;
11 Similarity 87.7%;
50; Conservative
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/gene="KLK3"
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il Similarity 94.0%;
47; Conservative
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014051-A 4266 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01516/01A 83 19-JUL-2001,

Curagen Corporation (US)
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Accession number cg44918284"
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Picoult-Newburg,L. and Pohl,M.
Genotyping reagents, kits and methods of use thereof
Patent: WO 0129262-A 2868 26-APR-2001;
Orchid BioSciences, Inc. (US)
Location/Qualifiers
                                                                                                                                                         DB 1; Length 51;
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1.9%; Score 44.6; Di
Best Local Similarity 92.2%; Pred. No. 90;
Matches 47; Conservative 0; Mismatches
                                                                                                                                                       1.9%; Score 44.6; Di
92.2%; Pred. No. 90;
tive 0; Mismatches
                                                                                                 /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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Homo sapiens
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Best Local Similarity 92.24
Matches 47; Conservative
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AX160938
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                               /note="2 of 2 allelic variants (4265 is other entry)
Accession number cg43941567"
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Accession number cg38629253"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140511A 6529
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use theraining single nucleotide polymorphisms and methods of use theraining Single nucleotide 0014021-A 473 07-JUN-2001;
Curagen Corporation (US)
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                                                                                                                                                                  Query Match
1.8%; Score 43.6; DB 1
Best Local Similarity 92.0%; Pred. No. 1e+02;
Matches 46; Conservative 0; Mismatches
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Sequence 6529 from Patent W00140521.
AX163201
AX163201.1 GI:14544532
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 473 from Patent WO0140521.
AX157145.
AX157145.1 GI:14538476
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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Best Local Similarity
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Unknown.
Unclassified.
1 (bases 1 to 51)
Shimkets,R.A. and Leach,M.
Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: US 6670464-A 1125 30-DEC-2003;
Location/Qualifiers
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Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: US 6670464-A 671 30-DEC-2003;
Location/Qualifiers
                          /note="1 of 2 allelic variants (474 is other entry) Accession number cg44928115"
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                                                                                                                                      51 CGCCCGCCTCGCCAAAGTGCTGGGATTACAGGCTTGAGTCACC
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                                                                                              3; Indels
                                                                    Length
                                                                    DB 1;
                                                                   Query Match 1.8*; Score 43.2; DB 1
Best Local Similarity 93.8*; Pred. No. 1e+02;
Matches 45; Conservative 0; Mismatches
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US 6670464.
                                                                                                                                                                                                                 Sequence 671 from patent US 6670464.
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/organism="unknown"
/mol_type="genomic DNA"
'db_xref="taxon:9606"
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Sequence 1125 from patent
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                                                                                                                                                                                                                                                                                     Unknown.
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                                                                                                                                                                                                                                                                                                    Unknown
                misc_feature
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     PAT 22-JUN-2001
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                                                                                                                        Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg42920603"
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Accession number cg42924993"
                                                                                                                                                                                                                                        Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014021-A 3126 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms
methods of use thereof
methods MO 14051-A 3133 07-JUN-2001;
Curagen Corporation (US)
Location/Qualifiers
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     linear
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1.8%; Score 43; DB 1; Length 51;
Best Local Similarity 90.2%; Pred. No. 1.1e+02;
Matches 46; Conservative 0; Mismatches 5; Indels
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1.8%; Score 43; DB 1; Length 51;
Best Local Similarity 90.2%; Pred. No. 1.1e+02;
Matches 46; Conservative 0; Mismatches 5; Indels
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/organisme-Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
26
AX159798 51 bp DN Sequence 3126 from Patent WO0140521.
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LOCUS AX163302 51 bp Dr
DEFINITION Sequence 6630 from Patent WO0140521.

    .51
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                                                          AX159798.1 GI:14541129
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TITLE

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Gaps

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PAT 29-AUG-2001

linear

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                   Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0147942A 56 05-JUL-2001;
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereoff ,

Patent: WO 01516/10-A 84 19-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                2308 TCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA 2358
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/organism="Homo sapiens"
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="z of 2 allelic variants (55 is other entry)~Accession number cg42869755"
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1.8%; Score 43; DB 1; Length 51;
Best Local Similarity 90.2%; Pred. No. 1.1e+02;
Matches 46; Conservative 0; Mismatches 5; Indels
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1.8%; Score 43; DB 1; Length 51;
Best Local Similarity 90.2%; Pred. No. 1.1e+02;
Matches 46; Conservative 0; Mismatches 5; Indels
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX199335
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Sequence 84 from Patent WO0151670.
AX199154
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        Homo sapiens (human)
Homo sapiens
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Homo sapiens
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AX199335/c
                          ORGANISM
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                                                                                                                                                                  /note="2 of 2 allelic variants (6629 is other entry)
Accession number cg43090974"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 6808 07-JUN-2001;
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                                                                                                                                                         Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms are that of use thereof
Patents WO 19521-A 6630 07-JUN-2001;

Curagen Corporation (US)
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90.2%; Pred. No. 1.1e+02;
tive 0; Mismatches 5; Indels
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Sequence 6808 from Patent WO0140521.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 56 from Patent WO0147942.
AX189877
AX189877.1 GI:15143248
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  AX163302
AX163302.1 GI:14544633
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                                                              Homo sapiens (human)
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Homo sapiens
Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (Dases 1 to 50)
Cramer,S.D., Chang,B.-L., Rao,A., Hawkins,G.A., Chang,S.,
Wade,W.N., Cooke,R.T., Thomas,L.N., Bleecker,E.R., Catalona,W.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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             Shimkets, R.A. and Leach, M.D.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01516/0-A 265 19-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Shimkets, R.A. and Leach, M.D.

Nucleic acids containing single nucleotide polymorphisms.and
methods of use thereof

Patent: WO 01516/70-A 287 19-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                   /note="1 of 2 allelic variants (266 is other entry) Accession number cg43011316"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note="1 of 2 allelic variants (288 is other entry) Accession number cg41584420"
                                                                                                                                                                                                                                                                                                                      2261 TTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCT 2311
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AY283615
AY283615 GI:32879295
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                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA
                                                                                                                    1. .51
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 287 from Patent WO0151670.
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AX199357.1 GI:15389742
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                                                                                                                                                                                                                                                                                     46; Conservative
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Sterling, D.A., Meyers, D.A., Ohar, J. and Xu, J.
Association between Genetic Polymorphisms in the Prostate-specific
Antigen Gene Promoter and Serum Prostate-specific Antigen Levels
J. Natl. Cancer Inst. Monographs (2003) In press
Cramer, S.D., Xu, J. and Hawkins, G.A.
Direct Submission
Submitted (25-APR-2003) Cancer Biology, Wake Forest University
School of Medicine, Medical Center Blvd, Winston-Salem, NC 27157,
USA
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Cohen,D., Chumakov,I. and Blumenfeld,M.
Biallellic markers for use in constructing a high density
disequilibrium map of the human genome
Patent: US 6537751-A 646 25-MAR-2003;
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1.8%; Score 42.4; DB 1; Length 47;
Best Local Similarity 93.5%; Pred. No. 1.1e+02;
Matches 43; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGC
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Pred. No. 1.1e+02;
0; Mismatches 4;
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Seguence 646 from patent US 6537751.
AR288911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /gene="KLK3"
/note="in white population"
/frequency="0.02"
/replace="g"
                                                                                                                                                                                                                                                      1. 50
// Organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="19"
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Sequence 48 from Patent W00129257.
AX114379.1 GI:14031343
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/organism="unknown"
/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                                                                                                                /map="19q13.4"
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Best Local Similarity 91.8%;
Matches 45; Conservative
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Homo sapiens
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Matches 45; Conserv
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                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg43287601"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 6454 07-JUN-2001;

Curagen Corporation (US)
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                                                                                                                                                                                                                                 /note="99-1602-200 : polymorphic base G or C"
                                                                                                                                                                                                                                                                                                                            2261 TITAGTAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGAT 2306
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                                                                        Schork, N. and Skierczynski, B. Methods of genetic cluster analysis and use thereof Patent: WO 0129257-A 48 26-APR-2001; GENSET (FR)
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Pred. No. 1.2e+02;
0; Mismatches 3;
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Sequence 6454 from Patent WO0140521.
AX163126
                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 93.6%;
Matches 44; Conservative (
sapiens (human)
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AX163126
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Accession number cg39602254"
Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof feather of Patent: World Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
                                                                                                                                                                                                                                                                     /note="2 of 2 allelic variants (9 is other entry)
Accession number cg42918213"
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Sequence 2456 from Patent W00140521.
AXIS9128 GI:14540459
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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AX163383.1 GI:14544714
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                        /note="1 of 2 allelic variants (6712 is other entry)
Accession number cg43989360"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 014051-1A, 474 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 0140521-A 6587 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Accession number cg44928115"
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1.8%; Score 42; DB 1; Length 51;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 45; Conservative 0; Mismatches 5; Indels
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WO 0140521-A 6711 07-JUN-2001;
Corporation (US)
Location/Qualifiers
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Sequence 6587 from Patent WO0140521.
AX163259
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Seguence 474 from Patent W00140521.
AX157146
                                                            /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .51
    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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DP 2001269182-A/22408
02-OCT-2001
24-FEB-2000 JP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
JORDAN
CIZNIS/09, C07K14/435, C07K16/18, C12N1/15, C12N1/19, C12N1/21, PC
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(Dases 1 to 52)

Edwards,J.B.D.M., Duclair,E. and Jordan,J.Y.

Saquence tag and encoded human protein

Patent: JP 2001269182-A 22408 02-OCT-2001;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                          /note="1 of 2 allelic variants (6588 is other entry)
Accession number cg43273813"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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1 TIAGTAGAGACGGGGTTTCACCATGTTGGTCAGGCTGGTCTCGAACTCCTG
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AX156684/c
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PC C12P21/02,C12P21/08,C12Q1/68//G06F17/30,C12N15/00,C12N5/00, PC G06F15/40
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Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: US 6670464-A 672 30-DEC-2003;
Location/Qualifiers
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Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: US 6670464-A 913 30-DEC-2003;
Location/Qualifiers
                                                                                                                                                                                                     2255 TGTACTITIAGIAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGAT 2306
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88.2%; Pred. No. 1.3e+02;
Live 0; Mismatches 6; Indels
                                                                                                                                               Length 52;
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                                                                                                                                                DB 1;
                                       Location/Qualifiers
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Best Local Similarity 86.5%; Pred. No. 1.3e+02;
Matches 45; Conservative 1; Mismatches 6
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Sequence 672 from patent US 6670464.
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US 6670464.
                                                                                  /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="unknown"
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/mol_type="genomic DNA"
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Sequence 913 from patent
AR444502
AR444502.1 GI:42672281
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AR444261.1 GI:42672040
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Best Local Similarity
Matches 45; Conserv
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AR444261/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                  Shimkets, R. A. and Leach, M. Shimkets, R. A. and Leach, M. Nucleic acids containing single nucleotide polymorphisms and methods of use thereof Patent: US 6670464-A. 1126.2003;
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.
Patent: WO 0140521-A 12 07-JUN-2001;
Curagen Corporation (US)
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 6;
AR444715 51 bp DNA Sequence 1126 from patent US 6670464.
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Seguence 1391 from Patent WO0140521.
AX158063
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 12 from Patent WO0140521.
AX156684
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/organism="unknown"
/mol_type="genomic DNA"
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                                                            GI:42672494
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PAT 22-JUN-2001

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Homo sapiens
Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
    Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                            Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
Patent: W0 0146521-A 2398 07-JUN-2001;
Curagen Corporation (US)
                                                                                                                                                                                                                                                                                                    /note="2 of 2 allelic variants (2397 is other entry)
Accession number cg39574041"
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Accession number cg40949022"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 014021-A 2594 07-UUN-2001;
Curagen Corporation (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                              2292 CAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCA 2342
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 6; Indels
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Sequence 2594 from Patent WO0140521.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
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                                                                              Bukaryota, Metazoa; Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia; Butheria; Primates; Catarrhini, Hominidae, Homo.
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Mammalia; Butheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg29337682"
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Accession number cg36753762"
                                                                                                                                   Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 014021-A 1391 07-JUN-2001;
Curagen Corporation (US)
Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 1919 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
iive 0; Mismatches 6;
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Sequence 1919 from Patent WO0140521.
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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  AX158063.1 GI:14539394
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                                       Homo sapiens (human)
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Best Local Similarity 88.2
Matches 45; Conservative
                                                             Homo sapiens
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AX159070/c
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AX163479/c
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg42924993"
          Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140521-A 3125 07-JUN-2001;
Curagen Corporation (US)
Location/Qualifiers
                                                                                                                                                                              /note="1 of 2 allelic variants (3126 is other entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 3134 07-JUN-2001,
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88.2%; Pred. No. 1.3e+02;
ive 0; Mismatches 6;
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Sequence 3134 from Patent WO0140521.
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WO0140521.
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Location/Qualifiers
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Sequence 3591 from Patent 1
AX160263
AX160263.1 GI:14541594
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Best Local Similarity
Matches 45; Conserv
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                              /note="1 of 2 allelic variants (3592 is other entry) Accession number cg43318557"
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Accession number cg43090974"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 0140521-A 6629 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140521A 6807 07-JUN-2001;
Curagen Corporation (US)
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Pred. No. 1.3e+02;
0; Mismatches 6;
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1.7%; Score 41.4; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 45; Conservative 0; Mismatches 6;
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methods of use thereof
Patent: WO 0140521-A 3591 07-JUN-2001;
Curagen Corporation (US)
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WO0140521.
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Sequence 6807 from Patent WOO140521.
AX163479
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/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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                                                         Location/Qualifiers
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Sequence 6629 from Patent
AX163301
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Best Local Similarity 88.2%;
Matches 45; Conservative
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Homo sapiens
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Homo sapiens
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Homo sapiens
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Best Local Similarity
Matches 45; Conserv
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Matches 45; Conserv
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TITLE
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Mammalia; Butheria, Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                              Gaps
                                                                                             /note="1 of 2 allelic variants (6808 is other entry) Accession number cg42487874"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 013886A 67 31-MAY-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof batent: WO 0147942-A 55 05-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
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Accession number cg43957170"
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    .51
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                               /mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 55 from Patent W00147942.
AX189876
AX189876.1 GI:15143247
                                                                                                                                                                                                                                                                                                                             AX164872 51 bp
Sequence 67 from Patent WO0138586.
                l. .51
/organism="Homo sapiens"

    .51
    /organism="Homo sapiens"

location/Qualifiers
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Matches 45; Conserv
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AX189876/c
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0151670-A 85 19-JUL-2001;
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                                                                                                                                                                                                                    2308 TCCTGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACA 2358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
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Nucleic acids containing single nucleotide polymorphisms methods of use thereof

Patent: WO 0147942-A 465 05-UUL-2001;
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/db_xref="taxon:9606"
/note="1 of 2 allelic variants (466 is other
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/db_xref="texon:9606"
/note=1 of 2 allelic variants (56 is other
entry)~Accession number cg42869755"
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88.2%; Pred. No. 1.3e+02;
ative 0; Mismatches 6;
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Sequence 465 from Patent W00147942.
AX190286
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/db_xref="taxon:9606"
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Sequence 85 from Patent WO0151670.
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/organism="Homo sapiens"
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/organism="Homo sapiens"
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Location/Qualifiers
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Location/Qualifiers
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Homo sapiens
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AX199159/c LOCUS DEFINITION

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PAT 29-AUG-2001

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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
patent: WO 0151670-A 300 19-JUL-2001;
Curagen Corporation (US)
                                                                                                                                                                                                                                                                                                                                                            Shimkets, R. A. and Leach, M.D.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01515/70-A 288

Curagen Corporation (US)
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                                     2261 TITAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCT 2311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGAC 2314
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                                                                       51 TTTAGTAGAGACAGGGTTTCACCATATTGGCCAGGCTGGTCTCAAACTCCT
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88.2%; Pred. No. 1.3e+02;
live 0; Mismatches 6;
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 6;
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WO0151670.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 300 from Patent WO0151670.
AX199370
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 288 from Patent AX199358
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Homo sapiens
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Homo sapiens
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Best Local Similarity 88.2*
Best Local Similarity 45;
Conservative
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Matches 45; Conservative
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AX199370/c
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0151670-A 256 19-JUL-2001;
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                                                                                       2245 GCTAATTTTTGTACTTTTAGTAGACAGGGTTTCACCGTGTTAGCCAGG 2295
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Nucleic acids containing single nucleotide polymorphisms
methods of use thereof
Patent: WO 0151670-A 89 19-JUL-2001;
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                 Length 51;
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           ch 1.7%; Score 41.4; DB 1; 1 Similarity 88.2%; Pred. No. 1.3e+02; 45; Conservative 0; Mismatches 6;
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88.2%; Pred. No. 1.3e+02;
iive 0; Mismatches 6;
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88.2%; Pred. No. 1.3e+02;
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Accession number cg43011316"
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/db_xref="taxon:9606"

    .51
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                                                                                                                                                                                                           AX199159 51 bp
Sequence 89 from Patent WO0151670.
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Location/Qualifiers
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DEFINITION AX199336/c

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Homo sapiens
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Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates, Catarrhini, Hominidae, Homo.
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Accession number cg38821538"
                                                                                                                                                                                                                                                    Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0147944A 4667 05-JUL-2001,
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 0140521-A 6640 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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2326 CCCACCTCGCCAAAGTGCTGGGATTACAGGCATGAGCCACC 2371
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Pred. No. 1.3e+02;
0; Mismatches 3; Indels
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/db_xref="taxon:9606"
/note="Accession number cg39524115"
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Sequence 4667 from Patent WO0147944.
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Sequence 6640 from Patent WO0140521.
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Best Local Similarity 93.5%;
Matches 43; Conservative C
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  PAT 11-MAY-2001
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg43988015"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140821A 5241 07-JUN-2001;
Curaqen Corporation (US)
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Picoult-Newburg, L. and Pohl, M.
Genotyping reagents, kits and methods of use thereof
Patent: WO 0129262-A 596 26-PR-2001;
Orchid BioSciences, Inc. (US)
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95.5%; Pred. No. 1.4e+02;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                               Length 51;
  linear
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Pred. No. 1.3e+02;
1; Mismatches 6; Indels
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Sequence 184 from Patent WO02064731.
AX522514
AX115473 51 bp 1 Sequence 596 from Patent WO0129262.
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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Location/Qualifiers
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Best Local Similarity 86.3<sup>†</sup>
Matches 44; Conservative
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Best Local Similarity 95.5
Matches 42; Conservative
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AX161652/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                   Euteleostomi;
                                                         Telerman, A., Amson, R., Tuijnder, M. and Susini, L. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
Patent: WO 02064731-A 184 22-AUG-2002;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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 Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eutele
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Pred. No. 1.2e+02;
1; Mismatches 0; Indels
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Patent: WO 02052044-A 6334 04-JUL-2002;
Riken (JP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nakamura, Y., Sekine, A., Iida, A. and Saito, S. Detection of genetic polymorphisms
Patent: WO 02052044-A 743 04-JUL-2002;
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Best Local Similarity 86.5%; Pred. No. 1.4e+02;
Matches 45; Conservative 0; Mismatches 7;
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Sequence 6334 from Patent WO02052044.
AX520136
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Sequence 743 from Patent WO02052044.
AX514545
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 97.6%;
Matches 40; Conservative 1
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Homo sapiens
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AX520136/c
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VERSION
KEYWORDS
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                      Gaps
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Accession number cg43379411"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521A 4980 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof Patent: WO 014021-A 6453 07-JUN-2001;
Curagen Corporation (US)
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                                                                               Score 40.6; DB 1; Length 41;
Pred. No. 1.2e+02;
1; Mismatches 0; Indels
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                                                                                                                                                                                                      GGTCTCGATCTCCTGACCTCRTGATCCGCCCACCTCGGCCT 1
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Best Local Similarity 91.5%; Pred. No. 1.4e+02;
Matches 43; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                               DNA
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Seguence 4980 from Patent WO0140521.
AX161652
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                      Query Match
Best Local Similarity 97.6%;
Matches 40; Conservative
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Homo sapiens
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Homo sapiens
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Query Match

Best Loca Matches

AX199684/c LOCUS

RESULT 141

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DEFINITION

ACCESSION VERSION KEYWORDS SOURCE

ORGANISM

AUTHORS REFERENCE

TITLE

JOURNAL

FEATURES

PAT 22-JUN-2001

linear

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof from the configuration of the configuration (US)

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 40551-A 2455 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note="1 of 2 allelic variants (10 is other entry)
Accession number cg42918213"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GAGACAGGGTTTCACCATGTTGACCGGGCTGGTCTCGAACTCCTGACCTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.7%; Score 40.4; DB 1; Length 51; Best Local Similarity 88.0%; Pred. No. 1.4e+02; Matches 44; Conservative 0; Mismatches 6; Indels
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88.0%; Pred. No. 1.4e+02;
ve 0; Mismatches 6; Indels
CCTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / .51
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
26
                                                                                                                             AX156681 51 bp
Sequence 9 from Patent WO0140521.
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Best Local Similarity 88.0%;
Matches 44; Conservative 1
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AX156681/c
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AX159127
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                     Gaps
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Unknown.
Unclassified.
1 (bases 1 to 51)
Shimkets,R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: US 6670464-A 911 30-DEC-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shimkets, R.A. and Leach, M.D.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01516/70-A 614 19-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note="Nucleotide deleted between bases 25 and 26
Accession number cg42925267"
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                                                                                                                        2271 ACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTC 2317
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                                     1.7%; Score 40.6; DB 1; Length 51;
Larity 91.5%; Pred. No. 1.4e+02;
Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.7%; Score 40.4; DB 1; Length 50; Best Local Similarity 88.0%; Pred. No. 1.4e+02; Matches 44; Conservative 0; Mismatches 6; Indels
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97.6%; Pred. No. 1.4e+02;
trive 0; Mismatches 1;
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Accession number cg43287601"
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Sequence 614 from Patent W00151670.
AX199684
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Best Local Similarity 97.6%
Matches 41; Conservative
                                                           Local Similarity
les 43; Conserve
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RESULT 142 AR444500 LOCUS DEFINITION

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ACCESSION VERSION

ORGANISM

KEYWORDS SOURCE

AUTHORS TITLE

REFERENCE

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Gaps

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PAT 22-JUN-2001

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JOURNAL

FEATURES

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DEFINITION

RESULT 145

AX163384

VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE

JOURNAL

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PAT 22-JUN-2001
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                                    Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                          Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 246 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: MO 01402-1A, 6588 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                              /note="2 of 2 allelic variants (245 is other entry)
Accession number cg17872027"
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                                                                                                                                                                                                                                                                                                                                                                                          Length 51
                                                                                                                                                                                                                                                                                                                                                                                                                               5; Indels
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Sequence 6588 from Patent WO0140521.
AX163260.1 GI:14544591
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
26
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                    Homo sapiens (human)
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Homo sapiens
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AX523088
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                         Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                             Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140511A 6712 07-JUN-2001;
Curagen Corporation (US)
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88.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 6;
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Sequence 2320 from Patent WO0129262.
AXII7197.1 GI:14034148
                                                Sequence 6712 from Patent W00140521.
AX163384
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/db_xref="taxon:9606"
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Sequence 246 from Patent WO0140521.
AX156918.1 GI:14538249

    .51
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/db_xref="taxon:9606"

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Best Local Similarity 88.03
Matches 44; Conservative
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Matches 43; Conserv
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AX158592/c
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini, Hominidae; Homo.
                                              Telerman, A., Amson, R., Tuljnder, M. and Susini, L. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
                                                                                                                                                                                                                                                                                        Gaps
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Shimkets.R.A. and Leach,M.
Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
Patent: US 6670464-A 914 30-DEC-2003;
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86.3%; Pred. No. 1.5e+02;
tive 0; Mismatches 7; Indels
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AR444503.1 GI:42672282
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                                                                                                              Patent: WO 02064731-A 758 22-AUG-2002;
Molecular Engines Laboratories (FR)
Location/Qualifiers

    .51
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Sequence 11 from Patent WO0140521.
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/organism="Homo sapiens"
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/organism="unknown"
/mol_type="genomic DNA"
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AX156683/c
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg29337682"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.
Patent: WO 0140521-A 1392 07-JUN-2001;
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 0140521A 1920 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                           /note="1 of 2 allelic variants (12 is other entry)
Accession number cg42918213"
                                                                                                                                                                                                                                                      2087 TATTATTTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGCA 2137
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                                                                                                                                                                                                                                                                                51 TITICITITITITIGAGACAGAGTCTCACTCTGTCGCCCCAGGCTGGAGTGCA 1
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                                                                                                                                                 Length 51;
                                                                                                                                                   Query Match 1.7%; Score 39.8; DB 1; Length 5
Best Local Similarity 86.3%; Pred. No. 1.5e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
26
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AXISB064
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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PAT 22-JUN-2001
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Accession number cg40949022"
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Accession number cg43948257"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014051-1A 4350 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                              Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014021-A 2593 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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   Length 51;
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1 Similarity 86.3%; Pred. No. 1.5e+02;
44; Conservative 0; Mismatches 7; Indels
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86.3%; Pred. No. 1.5e+02;
tive 0; Mismatches 7; Indels
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 1.7%; Score 39.8; DB 1;
86.3%; Pred. No. 1.5e+02;
tive 0; Mismatches 7;
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AX161022
AX161022.1 GI:14542353
                                                                                                                                                                                                  AX159265 51 bp DN Sequence 2593 from Patent WO0140521.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                       Conservative
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Matches 44; Conserv
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AX159265/c
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AX161022/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg39574041"
/note="2 of 2 allelic variants (1919 is other entry)
Accession number cg36753762"
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Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof

Patent: WO 0140521-A 2397 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Accession number cg39574041"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 014021-A 2395 07-JUN-2001;
Curagen Corporation (US)
                                                                                                                           2262 TTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTG 2312
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86.3%; Pred. No. 1.5e+02;
trive 0; Mismatches 7;
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86.3%; Pred. No. 1.5e+02;
tive 0; Mismatches 7;
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WO0140521.

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    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX159067
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AX159069
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                                                Query Match
Best Local Similarity 86.3°
Matches 44; Conservative
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KEYWORDS
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AX159069/c
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AX159067/c
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51 TIGIAITITITAGIAGAIGGGGTIGCACCAIGITGGCCAGGCTGGICTCG
                                                                          Sequence 466 from Patent W00147942. AX190287
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Homo sapiens
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Best Local Similarity 86.3
Matches 44; Conservative
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VERSION
KEYWORDS
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AUTHORS
TITLE
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                                                                                                                                                                                                                                             Euteleostomi;
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg43948257"
                                                                                                                                                                                                                                                                                  Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: WO 014021-1A 4351 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 013865A 103 31-MAY-2001;

Curagen Corporation (US)

Location/Qualifiers
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             2320 GATCCGCCCACCTCGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCAC 2370
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                            51 GATCCTCCTGCTTTGGCCTCCCAAAGTGCTGGGATTATAGGCATGAGCCGC 1
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Accession number cg43265754"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.7%; Score 39.8; DB 1;
86.3%; Pred. No. 1.5e+02;
iive 0; Mismatches 7;
                                                                                                                     Sequence 4351 from Patent W00140521.
AX161023
                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /wol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
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AX161023/c
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AX164908/c
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                                                                                                                                                                        Euteleostomi;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: Word714-2A 466 05-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01515/70-A 86 19-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
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Accession number cg43130275"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2319 TGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2245 GCTAATTTTTGTACTTTTAGTAGACAGGGTTTCACCGTGTTAGCCAGG 2295
                                                                                                                                              Homo sapiens
Eukaryota; Metazoa, Chordata, Craniata, Vertebrata; Eutele
Mammalia; Eutheria; Primates; Catarrhini, Hominidae; Homo.
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/db_xref="taxon:9606"
/db_tof2="z of 2 allelic variants (465 is other entry)~Accession number cg43080072"
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1.7%; Score 39.8; DB 1;
Best Local Similarity 86.3%; Pred. No. 1.5e+02;
Matches 44; Conservative 0; Mismatches 7;
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86.3%; Pred. No. 1.5e+02;
tive 0; Mismatches 7
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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/organism="Homo sapiens"
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DEFINITION

REFERENCE AUTHORS TITLE

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FEATURES

AX199160/c

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                        Shimkets, R.A. and Leach, M.D.
Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
Patent: WO 0151670-A 299 19-JUL-2001;
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01516/70-A 334

Curagen Corporation (US)

Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                     /note="1 of 2 allelic variants (300 is other entry)
Accession number cg43973526"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2318 GTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCC 2368
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.7%; Score 39.8; DB 1; Length 5
Best Local Similarity 86.3%; Pred. No. 1.5e+02;
Matches 44; Conservative 0; Mismatches 7; Indels
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86.3%; Pred. No. 1.5e+02;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 347 from Patent WO0151670.
AX199417.1 GI:15389814
                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                   AX199369.1 GI:15389759
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                                                           Homo sapiens (human)
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AX199417/c
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AX199404/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 01516/70-A 90 19-JUL-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0151670A 98 19-JUL-2001;

Curagen Corporation (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="2 of 2 allelic variants (89 is other entry)
Accession number cg42657675"
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86.3%; Pred. No. 1.5e+02;
ative 0; Mismatches 7; Indels
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/organism="Homo sapiens"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
              AX199160 51 bp
Sequence 90 from Patent WO0151670.
AX199160
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Sequence 98 from Patent WO0151670.
AX199168.1 GI:15389520
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                                                                        AX199160.1 GI:15389511
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Homo sapiens
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Matches 44; Conservative
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AX199369/c
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RESULT 163 AX199168/c

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REFERENCE AUTHORS JOURNAL

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PAT 29-AUG-2001

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PAT 29-AUG-2001

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Patent: JP 2001269182-A 14913 02-OCT-2001;
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/organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                /mol_type="genomic_DNA"
/db_xref="taxon:9606"
                                   Homo sapiens (human)
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Homo sapiens (human)
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AX163193/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Bukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostomi;

Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dass 1 to 51)

Edwards,J.B.D.M., Duclair, E. and Jordan,J.Y.

Sequence tag and encoded human protein
                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                           Shimkets, R.A. and Leach, M.D.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0151670-A 347 19-JUL-2001;
Curagen Corporation (US)
                                                                                                                                                                                                                                                            /note="1 of 2 allelic variants (348 is other entry) Accession number cg43273813"
                                                                                                                                                                                                                                                                                                                                                                            2086 TTATTATTTTTTTGAGACCGAGTCTTGCTCTGTTACCCAGGCTGGAGTGC 2136
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 39.8; DB 1; Length 51;
Pred. No. 1.5e+02;
0; Mismatches 7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence tag and encoded human protein. BD038667.1 GI:22580409 JP 2001269182-A/14913. Homo sapiens (human)
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Sequence 18997 from Patent EP1033401.
AX903134

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    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Best Local Similarity 86.3%;
Matches 44; Conservative (
Homo sapiens (human)
Homo sapiens
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AX903134/c
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ec C12P21/02,C12P21/08,C12Q1/68//G06F17/30,C12N15/00,C12NS/00, PC
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Mammalia, Eutheria, Primates, Catarthini, Hominidae, Homo.
JP 2001269182-A/14913
02-0CT-2001
24-FEB-2000 DP 2000118773
26-FEB-1999 US 60/122487
JEAN BAPUTIST DUMAS MILNE EDWARDS, EIMERIC DUCLAIR, JEAN YVES
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Accession number cg38821538"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014051-1A 6639 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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1.7%; Score 39.6; DB 1;
Best Local Similarity 91.3%; Pred. No. 1.5e+02;
Matches 42; Conservative 0; Mismatches 4;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens (human)
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AX161651/c
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AX161487
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AUTHORS
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg39667665"
                                                          Shimkets, R. A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 6521 07-JUN-2001;

Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 01516/00A 599
Curagen Corporation (US)
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                                                                                                                                                                                                                                                                                              Query Match 1.7%; Score 39.4; DB 1; Length 51; Best Local Similarity 97.6%; Pred. No. 1.6e+02; Matches 40; Conservative 0; Mismatches 1; Indels
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Sequence 5242 from Patent W00140521.
AX161914
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .51
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                                                                                                                                Location/Qualifiers
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Homo sapiens
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 Homo sapiens
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Best Local Similarity
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AX161914
ORGANISM
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Accession number cg43979411"
                                                                                                                                                                                                                                                                         /note="2 of 2 allelic variants (5241 is other entry)
Accession number cg43988015"
Shimkets, R.A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140211A 5242 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.
Patent: WO 0140521-A 4979 07-JUN-2001;
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and
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                                                                                                                                                                                                                                                                                                                                                Length 51;
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                                                                                                                                                                                                                                                                                                                                                                                                   3; Indels
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                                                                                                                                                                                                                                                                                                                                                ch 1.7%; Score 39.2; DB 1; 1 Similarity 93.2%; Pred. No. 1.6e+02; 41; Conservative 0; Mismatches 3;
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AX161487
AX161487.1 GI:14542818
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="unknown"
/mol_type="genomic DNA"
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                                                               Best Local Similarity
Matches 40; Conserv
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AX158497
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                   /note="1 of 2 allelic variants (4816 is other entry)
Accession number cg43971764"
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Accession number cg43971764"
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Shimkets,R.A. and Leach,M.
Shimkets acids containing single nucleotide polymorphisms and methods of use thereof
Patent: US 6670464-A 912 30-DEC-2003;
Location/Qualifiers
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof for Datent: WO 0140521-A 4816 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
                                                                                                                                                                                                                                        2248 AATTITIGIACTITIAGIAGACAGGGTTTCACCGTGTTAGCCAGGATGG 2299
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96.2%; Pred. No. 1.7e+02;
iive 0; Mismatches 1;
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96.2%; Pred. No. 1.7e+02;
iive 0; Mismatches 1;
methods of use thereof
Patent: WO 0140521-A 4815 07-JUN-2001;
Curagen Corporation (US)
Location/Qualifiers
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AX161488
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US 6670464.
                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xxef="taxon:9606"
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AR444501
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                                                                                                                                                                          Query Match
Best Local Similarity 96.2<sup>3</sup>
Matches 50; Conservative
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Best Local Similarity 96.2<sup>3</sup>
Matches 50; Conservative
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Unclassified.
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AX161488
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DEFINITION
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ORGANISM
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AR444501
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Shimkets, R.A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140521-A 1825 07-JUN-2001;
Curagen Corporation (US)
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 0140521-A 1760 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutele
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Length 51;
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                                                                                                                                                                                                                                                      linear
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                                                                                                                    CCTCAGCCTCCCAAAGTGCTGGGATCACAGGCATGAGCCACC 42
1.6%; Score 38.8; DB 1; ilarity 95.2%; Pred. No. 1.7e+02; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
1.6%; Score 38.8; DB 1;
Best Local Similarity 86.0%; Pred. No. 1.7e+02;
Matches 43; Conservative 0; Mismatches 7;
                                                                                                                                                                                                                                                    DNA
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Sequence 1760 from Patent WO0140521.
AX158432
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/db_xref="taxon:9606"
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AX158497
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Accession number cg43129081"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="2 of 2 allelic variants (6015 is other entry)
Accession number cg44911343"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140521-A 6471 07-JUN-2001;
Curagen Corporation (US)
                                                                                                                                                                                                                                                                                                                                                         Shimkets, R. A. and Leach, M.
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof
Patent: WO 0140511A 6016
Curagen Corporation (US)
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                        2249 ATTITITGIACTITIAGIAGACAGGGTTTCACCGTGTTAGCCAGGATG 2298
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                                           50 ATTITITGTATTITTAGIGGAGACAGGGTTTCGCCATGTTGGCCGGGCTG
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Seguence 6471 from Patent W00140521.
AX163143
                                                                                                                                                             51 bp DN WO0140521.
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Sequence 6016 from Patent
AX162688
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AX163143
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="2 of 2 allelic variants (1905 is other entry) Accession number cg36603177"
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: WO 014051-A 1906 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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                                                                                2256 GTACTTTTAGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCGA 2305
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                                                                                                       GTATTITCAGTAGAGACGGGGTTTTACCATGTTGGCCAGGCTGGTCTCGA
Query Match 1.6%; Score 38.8; DB 1; Length 51; Best Local Similarity 86.0%; Pred. No. 1.7e+02; Matches 43; Conservative 0; Mismatches 7; Indel8
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86.0%; Pred. No. 1.7e+02;
ative 0; Mismatches 7; Indels
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Sequence 1906 from Patent WO0140521.
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/db_xref="taxon:9606"

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    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/organism="Homo sapiens"
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Best Local Similarity 86.03
Matches 43; Conservative
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Matches 43; Conserv
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AX159264/c
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Wed Jan 26 12:47:31 2005

RESULT 183 AX159155

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DEFINITION ACCESSION VERSION ORGANISM

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Homo sapiens
Bukaryota: Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Nucleic acids containing single nucleotide polymorphisms and
methods of use thereof
Patent: WO 0140521-A 3444 07-JUN-2001;
Curagen Corporation (US)
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                                                                                                                                                                                                                                                                                         Length 40;
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al Similarity 97.5%; Pred. No. 1.6e+02;
39; Conservative 0; Mismatches 1;
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Sequence 3444 from Patent WO0140521.
AX160116
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Agrawal, S. and Kandimalla, B.R.
Pseudo-cyclic oligonucleobases
Patent: US 6383752-A 17 07-MAY-2002,
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Sequence 245 from Patent WO0140521.
AX156917
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/organism="Homo sapiens"
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/organism="unknown"
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      AR208401.1 GI:21509546
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Homo sapiens
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Best Local Similarity
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                               Shimkets, R. A. and Leach, M.

Nucleic acids containing single nucleotide polymorphisms and methods of use thereof.

Patent: World Corporation (US)

Location/Qualifiers
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unclassified.
1 (Dassel tco 40)
Resnick, M.A., Larionov, V.L., Kouprina, N.Y. and Perkins, E.L.
TRANSPORMATION-ASSOCIATED RECOMBINATION CLONING
Patent: WO 9801573-A 1 15-JAN-1998;
US HEALTH (US)
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CTACAGGCACGCCCACGCCCGGCTAATTTTTTGTATTTTAGTAGA 51
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1.6%; Score 38.4; DB 1; Length 40;
Best Local Similarity 97.5%; Pred. No. 1.6e+02;
Matches 39; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.6%; Score 38.6; DB 1; Length 51; 91.1%; Pred. No. 1.7e+02; ive 0; Mismatches 4; Indels
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                                                                                                  AX159155 51 bp Di
Sequence 2483 from Patent WO0140521.

    .40
    /organism="unidentified"
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/db_xref="taxon:32644"

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Sequence 17 from patent US 6383752.
AR208401
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 1 from Patent W09801573.
A68621
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Homo sapiens
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Best Local Similarity
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

RESULT 184

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A68621/c

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REFERENCE AUTHORS

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PAT 22-JUN-2001

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2264 AGTAGAGACAGGGTTTCACCGTGTTAGCCAGGATGGTCTCG 2304

    .41
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

     Location/Qualifiers
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Matches 38
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Accession number cg43919529"
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Nucleic acids containing single nucleotide polymorphisms and methods of use theread.
Patent: WO 0140521-A 3755 07-JUN-2001;
Curagen Corporation (US)
acids containing single nucleotide polymorphisms and of use thereof 014021-A 245 07-JUN-2001; Corporation (US)
                                                                                                                                                                    /note="1 of 2 allelic variants (246 is other entry) Accession number cg17872027"
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Patent: WO 02052044-A 382 04-UUL-2002;
Riken (JP)
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Sequence 3755 from Patent WO0140521.
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Seguence 382 from Patent WO02052044.
AX514184
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    .51
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AX160427.1 GI:14541758
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Matches 42; Conservative
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                             41 CGCCTCGGCCTCCCAAAGTGSTGGGATTACAGGCGTGAGCC 1
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Detection of genetic polymorphisms
Patent: WO 02052044-A 742 04-JUL-2002;
Riken (JP)
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Detection of genetic polymorphisms
Patent: WO 02052044-A 944 04-JUL-2002;
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Best Local Similarity 92.7%; Pred. No. 1.8e+02;
Matches 38; Conservative 1; Mismatches 2;
Query Match 1.6%; Score 37.4; DB 1; Best Local Similarity 92.7%; Pred. No. 1.8e+02; Matches 38; Conservative 1; Mismatches 2;
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Sequence 742 from Patent WO02052044.
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Seguence 944 from Patent WO02052044.
AX514746
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/db_xref="taxon:9606"
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TITLE JOURNAL REFERENCE AUTHORS

ORGANISM

RESULT 192

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AX520135

DEFINITION ACCESSION VERSION KEYWORDS SOURCE

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HUMALUANCC 42 bp DNA linear PRI 08-OCT-1994
Homo sapiens 4000 year old remains from Nekht-ankh Alu repeat
fragment 12:4.
Li36838.1 GI:556195
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        Homo sapiens (human)
Memo sapiens
Bukaryota; Metazca; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Homo sapiens
Eukarycia, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/isolate="4000 year old remains from Nekht-ankh"
/db xref="taxon:9606"
/tissue type="liver"
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/rpt_family="Alu"
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Proc. Natl. Acad. Sci. U.S.A. 86 (6), 1939-1943 (1989)
89184542
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                                                                                          Nakamura,Y., Sekine,A., Iida,A. and Saito,S.. Datection of genetic polymorphisms
Patent: WO 02052044-A 6954 04-JUL-2002;
Riken (JP)
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Sequence 2999 from patent US 6537751.
AR291264.1 GI:31678548
                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                             Location/Qualifiers
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Paabo, S.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1 AGTAGAGAGGGTTTCACCRIGITAGCCAGCATGGTCTCG 41
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                                                                                                                                                                                                                                                                                                                                     Nakamura,Y., Sekine,A., Iida,A. and Saito,S. Detection of genetic polymorphisms
Patent: WO 02052044-A 6333 04-JUL-2002;
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92.7%; Pred. No. 1.8e+02;
trive 1; Mismatches 2;
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AX520756
AX520756.1 GI:23571411
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Seguence 6413 from Patent WO02052044.
AX520215
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
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Best Local Similarity 92.73
Matches 38; Conservative
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H.sapiens DNA for loop attachment sequence (clone LAS33).
X91548.1 GI:987907
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

    (bases 1 to 43)

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Location/Qualifiers
                                                                                                                                                                                        /note="2 of 2 allelic variants (3331 is other entry)
Accession number cg43247846"
Nucleic acids containing single nucleotide polymorphisms and methods of use thereof Fatent: WO 0140521-A 3332 07-JUN-2001; Curagen Corporation (US)
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                                                                                                                                                                                                                                                 Length 44;
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Pred. No. 2.3e+02;
0; Mismatches 5; Indels
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96188852
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1.5%; Score 35.2; DB 1;
Best Local Similarity 92.5%; Pred. No. 2.3e+02;
Matches 37; Conservative 0; Mismatches 3;
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                                                                                               1. .44
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo gapiens"
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/db_xref="taxon:9606"
/clone="LAS33"
/cell_line="HeLa"
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                                                                             Location/Qualifiers
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/rpt_family="Alu"
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Homo sapiens (human)
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Matches 38; Conservative
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Ното sapiens 4000 year old remains from Nekht-ankh Alu repéat
fragment 11:2.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ancient DNA: extraction, characterization, molecular cloning, and enzymatic amplification
Proc. Natl. Acad. Sci. U.S.A. 86 (6), 1939-1943 (1989)
89184542
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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/mol_type="genomic DNA"
/isolate="4000 year old remains from Nekht-ankh"
/tolate="taxon:9606"
/tissue_type="liver"
<1. .41
/rpt_family="Alu"
             1 (bases 1 to 47)
Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing a high density disequilibrium map of the human genome Patent: US 6537751-A 2999 25-MAR-2003;
Location/Qualifiers
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Best Local Similarity 85.1%; Pred. No. 2e+02;
Matches 40; Conservative 1; Mismatches
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Sequence 3332 from Patent WO0140521.
                                                                                                                                                                    /mol_type="genomic DNA"
                                                                                                                                1. .47
/organism="unknown"
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Unclassified.
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                                                                                      Eukaryoča, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                   Nakamura, Y., Sekine, A., Iida, A. and Saito, S. Detection of genetic polymorphisms
Patent: WO 02052044-A 2976 04-JUL-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nakamura,Y., Sekine,A., Iida,A. and Saito,S. Detection of genetic polymorphisms
Patent: WO 02052044-A 5139 04-JUL-2002;
Riken (JP)
                                                                                                                                                                                                                                                                                         1.5%; Score 34.8; DB 1;
90.0%; Pred. No. 2.3e+02;
tive 1; Mismatches 3;
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Sequence 2976 from Patent WO02052044.
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Patent: EP 0518583-A 10 16-DEC-1992;

    .41
    /organism="Homo sapiens"
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/db_xref="taxon:9606"

    .41
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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                              AX516778.1 GI:23564830
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artificial sequences.
1 (bases 1 to 35)
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Homo sapiens
                                                            Homo sapiens (human)
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Best Local Similarity 90.0%
Matches 36; Conservative
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Matches 36; Conservative
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                                                                           Homo sapiens
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Peptides efective in the treatment of tumors and other conditions requiring the removal or destruction of cells
Patent: WO 03008443-A 47 30-JAN-2003,
Nymox Corporation (CA)
                                                                                                                                                             Gaps
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Pred. No. 2.3e+02;
2; Mismatches 0; Indels
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1.4%; Score 34.2; DB 1; Length 35;
Best Local Similarity 94.3%; Pred. No. 2.3e+02;
Matches 33; Conservative 2; Mismatches 0; Indels
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/moltype="unassigned DNA"
/mb_xref="taxon:32630"
/noTe="Synthetic oligonucleotide"
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                                                       construct"
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Nucleotide seguences
Nucleotide S525467-A 10 11-JUN-1996;
Patent: US 5525467-A 10 11-JUN-1996;
Location/Qualifiers
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Sequence 47 from Patent WO03008443.
AX709023
                                                                                                                                                                                                                                                                                                                    35 bp Sequence 10 from patent US 5525467.
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/mol_type="unassigned DNA"
                                                                  /mol_type="unassigned_DNA"
/db_xref="taxon:32630"
IMPERIAL CHEMICAL INDUSTRIES PLC
                                                   /organism="synthetic
                  Location/Qualifiers
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Best Local Similarity 94.3%;
Matches 33; Conservative
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synthetic construct
artificial sequences.
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121796.1 GI:1602150
                                                                                                                                                                                                                                                                                                                                                                                                                       Unknown.
Unclassified.
1 (bases 1 to 35)
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PAT 03-MAR-2004

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Averback, P.A.
Peptides eefective in the treatment of tumors and other conditions requiring the removal or destruction of cells
Patent: MO 03008443-A 33 30-JAN-2003;
Nymox Corporation (CA)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Disease risk estimating method using sequence polymorphisms in a
specific region of chromosome 19
Patent: Wo 2004003229-A 85 08-JAM-2004;
Aarhus University (DK); Arbejdsmilj Instituttet (National
Institute of Occupational Health) (DK)
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1.4%; Score 34; DB 1; Length 42;
Best Local Similarity 88.1%; Pred. No. 2.6e+02;
Matches 37; Conservative 0; Mismatches 5; Indels
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Detection of genetic polymorphisms
Patent: WO 02052044-A 2577 04-JUL-2002;
Riken (JP)
                                                                                                                                                                                                      /organism="synthetic construct"
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/mol type="unassigned DNA"
/mol type="unassigned"
/molfe="Synthetic oligonucleotide"
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/mol type="unassigned DNA"
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/noTe="Probe"
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Best Local Similarity 84.1%; Pred. No. 2.6e+02;
Matches 37; Conservative 1; Mismatches 6
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Sequence 85 from Patent WO2004003229.
CQ760643
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Seguence 2577 from Patent WO02052044.
AX516379
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Homo sapiens
    synthetic construct
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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87.8%; Pred. No. 2.5e+02;
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CCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTG 39
                                                                                                                                                                                                                                                                                                   Nakamura, Y., Sekine, A., Iida, A. and Saito, S. Detection of genetic polymorphisms
Patent: WO 02052044-A 383 04-JUL-2002;
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                                                                                            Sequence 383 from Patent WO02052044.

    .41
    /organism="Homo sapiens"
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    /db_xref="taxon:9606"

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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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Best Local Similarity 67.84
Matches 36; Conservative
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Best Local Similarity
Matches 36; Conserv
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Nucleic acids containing single nucleotide polymorphisms and methods of use thereof

Patent: MO 01402-1A 3331 07-JUN-2001;

Curagen Corporation (US)

Location/Qualifiers
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                   1. .41
/organism="Homo sapiens"
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synthetic construct
artificial sequences.
1 (bases 1 to 35)
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Homo sapiens
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Best Local Similarity 90.08
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PAT 29-SEP-1997
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: WO 0142511-A 1533 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis
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Andoressu, H.A. and Yan, F.
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2335 GCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCA 2369
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/db_xref="taxon:9606"

    .35
    /organism="unidentified"
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Homo sapiens
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Detection of genetic polymorphisms
Patent: WO 02052044-A 6909 04-JUL-2002;
Riken (JP)
                                                                                                                                                                                                                                                                                                                     Nakamura, Y., Sekine, A., Iida, A. and Saito, S. Detection of genetic polymorphisms
Patent: WO 02052044-A 901 04-JUL-2002;
                                                                Sequence 6909 from Patent WO02052044.
                                                                                                                                                                    Sequence 901 from Patent W002052044. AX514703
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Homo sapiens
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                  Novel human gene relating to respiratory diseases, obesity, and inflammatory bowel disease Patent: WO 0178894-A 276 25-OCT-2001; Genome Therapeutics Corp. (US) Location/Qualifiers
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Patent: NO 02052044-A 358 04-JUL-2002;
Riken (JP)
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Best Local Similarity 87.5%; Pred. No. 3.1e+02;
Matches 35; Conservative 0; Mismatches 5
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Sequence 6509 from Patent W002052044.
AX520311
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Sequence 276 from Patent WO0178894. AX327080

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/db_xref="taxon:9606"
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Homo sapiens
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AX520856
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Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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            Nakamura,Y., Sekine,A., Iida,A. and Saito,S. Detection of genetic polymorphisms Patent: WO 02052044-A 6509 04-JUL-2002; Riken (JP)
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Patent: WO 02052044-A 5315 04-UUL-2002;
Riken (JP)
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Patent: WO 02052044-A 33 04-JUL-2002;
Riken (JP)
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Sequence 5315 from Patent W002052044.
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Sequence 33 from Patent WO02052044.
AX513835.1 GI:23560039
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/db_xref="taxon:9606"

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AX513835/c
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AX519117
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Query Match 1.3%; Score 31; DB 1; Length 41; Best Local Similarity 82.9%; Pred. No. 3.4e+02; Matches 34; Conservative 1; Mismatches 6; Indels
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                                                                                                            TTTTTTTGAGATGAAGTCTYACTCTGTCACCCAAGCTGGA 1
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Detection of genetic polymorphisms
Petent: WO 02052044-A 3909 04-JUL-2002;
Riken (JP)
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Detection of genetic polymorphisms
Patent: WO 02052044-A 6186 04-JUL-2002;
Riken (JP)
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1.3%; Score 31; DB 1; I
Best Local Similarity 82.9%; Pred. No. 3.4e+02;
Matches 34; Conservative 1; Mismatches 6;
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Sequence 6186 from Patent WO02052044.
AX519988.1 GI:23570430
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
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Homo sapiens
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Pseudo-cyclic oligonucleobases
Patent: US 6383752-A 20 07-MAY.
Location/Qualifiers
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                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                          Nakamura,Y., Sekine,A., Iida,A. and Saito,S.
Detection of genetic polymorphisms
Patent: WO 02052044-A 7054 04-JUL-2002;
Riken (JP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1. .33
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:33630"
/noTe="Synthetic oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 29.8; DB 1;
Pred. No. 3.6e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                    Score 31; DB 1; 1
Pred. No. 3.4e+02;
1; Mismatches 6;
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Sequence 7054 from Patent W002052044.
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Sequence 20 from patent US 6383752.
AR208404
AR208404.1 GI:21509549

    .41
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    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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1 (bases 1 to 29)
Agrawal, S. and Kandimalla, E.R.
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Location/Qualifiers
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                                             AX520856.1 GI:23571532
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artificial sequences.
                                                                      Homo sapiens (human)
Homo sapiens
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Best Local Similarity
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Best Local Similarity
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BD169435

BD169435

ION Genomes participating in rheumatoid arthritis, method of diagnosing the same, method of judging the onset risk thereof, kit for detecting and diagnosing the same, method of treating rheumatoid arthritis and remedies therefor.

BD169435.

BD169435.

BD169435.1

WO 0234912-A/12.

S WO 0234912-A/12.

S Shiozawa, S. and Konishi, Y.

Genomes participating in rheumatoid arthritis, method of diagnosing the same, method of indging the onset risk thereof, kit for detecting and diagnosing the same, method of treating rheumatoid arthritis and remedies therefor detecting and diagnosing the same, method of treating rheumatoid arthritis and remedies therefor shuncti shiozawa, yosHITAKE KONISHI

S MVO 0234912-A/12

ED 2-MAY-2002

BY WO 0234912-A/12

FY 24-OCT-2001 WO 2001JP009313

FY 24-OCT-2001 JP 01P 099990

FY SHUNICHI SHIOZAWA, YOSHITAKE KONISHI

SYNThesized oligonucleotide

FY SOURCE OLIGINAL SHORD SHIELE STATE SHINICHI SHIOZAWA, YOSHITAKE KONISHI

SYNThesized oligonucleotide

FY SOURCE OLIGINAL SHORD SHIELE SHINICHI SHIOZAWA, YOSHITAKE KONISHI

SYNThesized oligonucleotide

FY SOURCE OLIGINAL SHORD SHIELE SHINICHI SHIOZAWA, YOSHITAKE SHINICHI SHIOZAWA, YOSHITAKE KONISHI

FY SOURCE OLIGINAL SHIOZAWA, YOSHITAKE KONISHI

SYNTHESIZED OLIGINAL SHIOZAWA, YOSHITAKE KONISHI

FY SOURCE OLIGINAL SHIOZAWA, YOSHITAKE KONISHI

FY SOURCE OLIGINAL SHIOZAWA, YOSHITAKE SHIPAKE SHINICHI SHIOZAWA, YOSHITAKE SHINICHI SH
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BD169436.1 GI:27875248
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100.0%; Pred. No. 3.7e+02;
ive 0; Mismatches 0; Indels
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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1 Similarity 96.7%; Pred. No. 4e+02;
29; Conservative 0; Mismatches
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07-MAY-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                     649 AGGAATCATCGGACTCAGGTACATCTGTG 677
                                                                                                                        /organism="unknown"
/mol_type="unassigned DNA"
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Unknown.
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AR196943/c
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                                                              artificial sequences.

I (bases 1 to 30)

Shiozawa,S. and Konishi,Y.

Shiozawa,S. and Konishi,Y.

Genomes participating in rheumatoid arthritis, method of diagnosing the same, method of judging the onset risk thereof, kit for detecting and diagnosing the same, method of treating rheumatoid arthritis and remedies therefor batch: WO 0234912-A 13 02-MAY-2002;

SHUNICHI SHIOZAMA, YOSHITAKE KONISHI

OS Artificial Sequence

NO 0234912-A/13

PR 24-OCT-2001 WO 2001JP009313

PR 24-O
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1 (bases 1 to 28)
Chenchik,A., Jokhadze,G. and Bibliashvilli,R.
Methods of assaying differential expression
Patent: US 5994076-A 27 30-NOV-1999;
Location/Qualifiers

    .30
    ^organism="synthetic construct"
|mol_type="genomic DNA"
|db_xref="taxon:32630"

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AR089907
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AR089908
AR089908.1 GI:10016663
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/wol_type="unassigned DNA"
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WO 0234912-A/13.
synthetic construct
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Unclassified.

1 (Dases 1 to 28)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Achtods of assaying differential expression
Patent: US 5994076-A 28 30-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 (bases 1 to 28)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
Patent: US 6352829-A 27 05-MAR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 28)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Arbids of assaying differential expression
Patent: US 6352829-A 28 05-MAR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.2%; Score 28; DB 1; Ler
100.0%; Pred. No. 4e+02;
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1.4%; ccci
Best Local Similarity 100.0%; Pred. No. 4e+
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                                                                                                                                             /mol_type="unassigned DNA"
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Sequence 27 from patent US 6352829.
AR196942.1 GI:20246791
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/organism="unknown"
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/organism="unknown"
/mol_type="unassigned DNA"
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                                                                                                                                /organism="unknown"
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Best Local Similarity 100.0
Matches 28; Conservative
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PAT 06-AUG-2001

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A25214 11-APR-1995
inter-Alu specific primer DNA (pdj33a) from patent WO9213101.
A25214
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Daly,M., Hudson,T.J., Lander,E.S., Rioux,J. and Siminovitch,K. Ibd-related polymorphisms
Patent: WO 042511-A 1863 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOWEDICAL RESEARCH (US); Ellipsis Biotherapeutics Corporation (CA)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 1.2%; Score 27.4; DB 1; Length 32; Best Local Similarity 96.6%; Pred. No. 4.5e+02; Matches 28; Conservative 0; Mismatches 1; Indels
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1.2%; Score 27.6; DB 1; Length 35;
Best Local Similarity 85.7%; Pred. No. 4.6e+02;
Matches 30; Conservative 0; Mismatches 5; Indels
                                                                                                                    1.2%; Score 28; DB 1; Length 28;
.00.0%; Pred. No. 4e+02;
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Methods of assaying differential expression
Patent: US 6489455-A 28 03-DEC-2002;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2233 CCACCACACCTGGCTAATTTTTTGTACTTTTAGTA 2267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       35 CCACAACGCCNGGCTAATTTTTTTTTTTTGGTA 1
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Sequence 1863 from Patent WO0142511.
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                                                                                                                                Best Local Similarity 100.0%; Pred. No. 4e+
Matches 28; Conservative 0; Mismatches

    .35
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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                                                   1. .28
/organism="unknown"
/mol_type="genomic DNA"
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AX184110.1 GI:15135450
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synthetic construct
artificial sequences.
1 (bases 1 to 32)
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AX184110/c
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Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Asthods of assaying differential expression
Patent: US 6489455-A 27, 03-DEC-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unclassified.
1 (bases 1 to 28)
Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
                                                                                                                    DNA
                                                                                                                                                                                                                   Unknown.
Unclassified.
1 (bases 1 to 28)
Agrawal, S. and Kandimalla, E.R.
Pseudo-cyclic oligonucleobases
Patent: US 6383752-A 16 07-MAY-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28 bp I
Sequence 27 from patent US 6489455.
AR259096
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Sequence 16 from patent US 6383752.
AR208400
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/organism="unknown"
/mol_type="unassigned DNA"
1204 CCTTAGCTGACTATTGGAAATGCACTTC 1231
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                 1. .28
/organism="unknown"
/mol_type="genomic DNA"
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AR208400
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COMMENT

DEFINITION ACCESSION VERSION KEYWORDS SOURCE

RESULT 237

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unidentified
unclassified.
1 (bases 1 to 26)
Miraglia, L.J., Nero,P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 270 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/270
PD 36-MAR-1999 JP 200538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                                                                                                      PAT 18-SEP-2002
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C1201/68,
C12N15/00
Strandedness: Single;
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Sherr.C.J., Quelle,D., Roussel,M.F., Zindy,F. and Weber,J.D. ARR-P19, a novel regulator of the mammalian cell cycle Patent: 18 6407062.A 35 18-UNN-2002;
Location/Qualifiers
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
1. 26
Source
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1.1%; Score 25.8; DB 1; Length 30;
Best Local Similarity 93.1%; Pred. No. 5.1e+02;
Matches 27; Conservative 0; Mismatches 2; Indels
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Antisense modulation of human MDM2 expression.
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Location/Qualifiers
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1.1%; Score 26; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 26; Conservative 0; Mismatches 0;
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Sequence 35 from patent US 6407062.
AR214391
AR214391.1 GI:23312044
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/organism="unidentified"
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/db_xref="taxon:32644"
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/organism="unknown"
/mol_type="genomic DNA"
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   1 ACAGGAACTTGGTAGTAGTCAATCAG 26
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JP 2002508944-A/270.
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BD138344/c
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TITLE
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                                                                                                                                                                                                                                                                                                                                                     OC Artificial sequences.

No Artificial sequences.

No Artificial sequences.

No Artificial sequences.

No D 199211599-A/5

PP 22-MAY-1992

PF 22-MAY-1992

PF 22-MAY-1992

PF 22-MAY-1992

CC STANDS/00,GOINZ7/447,GOINZ7/447;

CC STANDSGAGNESS. Single;

FF Key Lopology: Linear;

FF Source Location/Qualifiers

FT Source 1..32

misc_feature 1.32

misc_feature 1.32

FT //note='Alu specific primer'.
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Andoreasu, H.A. and Yan, F.
DETECTING METHOD FOR DNA ARRANGEMENT VARIATION
THEORY JP 1995115999-A 5 09-MAY-1995;
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Unknown.
Unknown.
Unclassified.
Unclassified.
Unclassified.
Second Kandimalla, E.R.
Pseudo-cyclic oligonucleobases
Patent: US 6383752-A 18 07-MAY-2002;
                                                                                                              32 bp DNA
Synthetic DNA for Alu specific primer.
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Sequence 18 from patent US 6383752.
AR208402
AR208402.1 GI:21509547

    .26
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4 TCCGCCTCCCAAAGTGCTGGGATTACAGG 32

    .32
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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unidentified
unidentified
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FEATURES

KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL FEATURES

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RESULT 238 AR208402

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                                                                                                                                                                                                                                                                                                              Unknown.
Unclassified.
1 (bases I to 25)
Cloyd, M W., Yeh, C.-C. and Chen, J.
PCR-hybridization assays specific for integrated retroviruses
PCR-hybridization assays specific for integrated retroviruses
Patent: US 648014-A 4 10-SEP-2002;
Location/Qualifiers
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                                   Length 32;
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100.0%; Pred. No. 5.2e+02;
Live 0; Mismatches 0; Indels
                                                                  Indels
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                               Score 25.4; DB 1;
Pred. No. 5.5e+02;
0; Mismatches 1;
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100.0%; Pred. No. 5.2e+02;
tive 0; Mismatches 0;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="reaxon:32630"
/note="Primer"
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Seguence 1243 from Patent WO0129262.
AX116120
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Sequence 4 from patent US 6448014.
AR228262
                                                                                                  1764 ATTGTGCTAACTTATTTCCCCTAGTTG 1790
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                                                                                                                  32 ATTGTGCTAACTTATTTCCCCTAGCTG 6
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/db_xref="taxon:32644"
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                               Query Match 1.1%;
Best Local Similarity 96.3%;
Matches 26; Conservative
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synthetic construct
artificial sequences.
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Best Local Similarity 100.0
Matches 25, Conservative
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Best Local Similarity
Matches 25; Conserv
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AX693020
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S Lane, D., Bottger, V., Bottger, A., Picksley, S., Hochkeppel, H.K., Echeveria, C.G., Chene, P. and Furet, P.
Inhibitor of interaction between E53 and MDM2
Inhibitor of interaction between E53 and MDM2
Patent: JP 2001500365-A 3 16-JAN-2001;
NOVARTIS A6, CANCER RESEARCH CAMPAIGN TECHNOLOGY LTD
ON Unidentified
PN JP 2001500365-A/3
PD 16-JAN-2001
PF 04-JUL-1997 UP 1998504775
PR 05-JUL-1996 GB 9614197.3,07-APR-1997 GB 9707041.1 PI
DAVID LANE, VOLKER BOTTGER, ANGELIKA BOTTGER, STEPHEN PICKSLEY, PI
HEINE KURT HOCHKEPPEL, CARLOS GARCIA ECHEVERRIA, PATRICK CHENE, PI
                                                                                                                                PAT 11-MAY-1999
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PC C12N15/09,A61K38/00,A61K45/00,A61P35/00,C07K7/06,C07K7/08, PC C12N15/09,A61K38/00,A61K45/00,A61F35/00,C07K7/06,C07K7/08, PC C10A18,
PC Strandedness Single;
CC Topology: Linear;
FH Key Location/Qualifiers
FT source / organism='Unidentified'.
                                                                                                                                                                                                                                                                  1 (bases 1 to 32)
Lane,D., Boettger,V., Boettger,A., Picksley,S., Hochkeppel,H., Garcia-Echeverria,C., Chene,P. and Furet,P.
INHIBITIONS OF THE INTERACTION BETWEEN P53 AND MDM2
Patent: WO 9801467-A 69 15-JAN-1998;
CIBA GEIGY AG (CH)
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Pred. No. 5.5e+02;
0; Mismatches 1; Indels
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Location/Qualifiers
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                                                                                                                                DNA

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              312 ATGTGCAATACCAACATGTCTGTACCTAC 340
                               1 ATGTGCAATACCAACATGTCTGTGTCTAC 29
                                                                                                                              32 bp
Sequence 69 from Patent WO9801467.
A72114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1764 ATTGTGCTAACTTATTTCCCCTAGTTG 1790

    .32
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/mol_type="genomic DNA"

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JP 2001500365-A/3.
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Matches 26; Conserv
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BD003106/c
                                                                                              RESULT 241
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AUTHORS
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Length 25;

PAT 31-MAR-2003

linear

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
      Shannon,M., Gu,Y. and Nguyen,C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1.1%; Score 25; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 25; Conservative 0; Mismatches 0;
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1.1%; Score 25; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 25; Conservative 0; Mismatches 0;
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Aeomica, Inc. (US)
Location/Qualifiers
                                                          Patent: EP 1281758-A 5754 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Acomica, Inc. (US)
Location/Qualifiers
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Sequence 5755 from Patent EP1281758.
AX693023. GI:29415986
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Sequence 5756 from Patent EP1281758.
AX693024
                                                                                                                      1. .25
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/db_xref="taxon:9606"

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    /organism="Homo sapiens"
/mol_type="unassigned DNA"

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Homo sapiens
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequence 5754 from Patent BP1281758.
AX693022.1 GI:29415985
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Acomica, Inc. (US)
Location/Qualifiers
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  Sequence 5752 from Patent EP1281758.

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    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: EP 1281758-A 5759 05-FEB-2003;
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Seguence 5760 from Patent EP1281758.
AX693028
                                                                   Sequence 5759 from Patent EP1281758. AX693027
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Sequence 5761 from Patent EP1281758.
AX693029 GI:29415992
                                                                                                                                                                                                                                                                                                                                                                                                      /mol_type="unassigned DNA"
/db_xref="taxon:9606"

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    /organism="Homo sapiens"
    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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/organism="Homo sapiens"
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Location/Qualifiers
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AX693028
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 25; Conservative 0; Mismatches 0; Indels
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Matches 25; Conservative 0; Mismatches 0;
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Aeomica, Inc. (US)
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 5757 from Patent EP1281758.
AX693025
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Sequence 5758 from Patent EP1281758.
AX693026.1 GI:29415989
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:9606"
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                                   Eukaryota, Metazoa; Chordata; Craniata, Vertebrata, Euteleostomi;
Mammalla; Eutheria, Primates, Catarrhini, Hominidae; Homo.
                                                                                Shannon,M., Gu,Y. and Nguyen,C.T.
Four human.zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                               Patent: EP 1281758-A 5761 05-FEB-2003
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Sequence 5762 from Patent EP1281758.
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Sequence 5763 from Patent EP1281758.
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/mol_type="unassigned DNA"
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/organism="Homo sapiens"
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 5764 from Patent EP1281758.
AX693032
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Sequence 5765 from Patent EP1281758.
AX693033.1 GI:29415996
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Homo sapiens
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Wed Jan 26 12:47:31 2005

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DNA

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AX693036 25 bp DN
Sequence 5768 from Patent EP1281758.
AX693036
                                        AX693036.1 GI:29415999
                                                              Homo sapiens (human)
Homo sapiens
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BD138345
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Aeomica, Inc. (US)
Location/Qualifiers
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                                                                                                                25 bp DN Sequence 5766 from Patent BP1281758. AX693034 AX693034.1 GI:29415997
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Sequence 5767 from Patent EP1281758.
AX693035

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                        2288 TAGCCAGGATGGTCTCGATCTCCTG 2312
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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C12Q1/68,
C12N15/00
Strandedness: Single;
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Patent: EP 1281758-A 5768 05-FEB-2003
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Primer"
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1.0%; Score 24.2; DB:
Best Local Similarity 89.7%; Pred. No. 6e+02;
Matches 26; Conservative 0; Mismatches
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Patent: US 6613750-A 1 02-SEP-2003;
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Sequence 1 from patent US 6613750.
AR392160 GI:40116136
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/note="n = C3 linker"
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                     synthetic construct
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tes 25; Conserv
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 0142511-A 2009 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis
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                                                                                                                                                                                                                                                                                                                                                                                                               Length 31;
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87.1%; Pred. No. 5.9e+02;
trive 0; Mismatches 4;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Primer"
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Sequence 2867 from Patent WO0129262.
AX117744.1 GI:14034695
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Sequence 2382 from Patent WO0129262.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
AX117259.1 GI:14034210
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synthetic construct
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Best Local Similarity
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AX184256/c
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1 (Dass 1 to 29)
Depinho, R.A.
Method of inhibiting cell proliferation using an anti-oncogene
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1 (bases 1 to 30)
Sherr,C.J., Quelle,D., Roussel,M.F., Zindy,F. and Weber,J.D.
ARF-P19, a novel regulator of the mammalian cell cycle
Patent: Location/Qualifiers
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Picoult-Newburg, L. and Pohl, M. Genotyping reagents, Kits and methods of use thereof Patent: WO 0129262-A 2867 26-APR-2001; Orchid Blosciences, Inc. (US) Location/Qualifiers
                                                                                                                                                                                                                                                                         1.0%; Score 24.4; DB 1; Length 27; ilarity 92.6%; Pred. No. 5.7e+02; Conservative 0; Mismatches 2; Indels
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PAT 27-AUG-2002
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PN JP 2001095586-A/3
PD 10-APR-2001
PF 10-SEP-1999 JP 1999279948
PT TOSHINORI IDE, YASUHIRO NAKAMURA, MINORU HIROSE PC
C12N15/09, C12Q1/68, C12Q1/68, G01N33/50, C12N15/00 CC Synthetic DNA
FH Key
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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artificial sequences.
1 (bases 1 to 24)
Ide,T., Nakamura,Y. and Hirose,M.
Method for measuring telomeric size
Patent: JP 2001095586-A 3 10-APR-2001;

    .24
    forganism="synthetic construct"
|mol_type="genomic DNA"
|db_xref="taxon:32630"

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Aeomica, Inc. (US)
Location/Qualifiers
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Method for measuring telomeric size.
E40925
E40925
JP 2001095586-A/3.
  Mismatches

    .25
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Daly,M., Hudson,T.J., Lander,E.S., Rioux,J. and Siminovitch,K. Ibd-related polymorphisms
Patent: WO 0142511-A 1889 14-JUN-2001,
WHITEHEAD INSTUTE FOR BIOMEDICAL RESEARCH (US); Ellipsis
Biotherapeutics Corporation (CA)
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artificial sequences.

1 (bases 1 to 24)
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Pred. No. 6e+02;
0; Mismatches 4; Indels
                                                      DB 1; Length 30;
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                                                                                                             Indels

    .24
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        <pr/>/db_xref="taxon:32630"</pr>

                                                 Ouery Match 1.0%; Score 24.2; DB 1
Best Local Similarity 89.7%; Pred. No. 6e+02;
Matches 26; Conservative 0; Mismatches
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    .30
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                                                                                                                                                               934 AAAGAAGCAGTAGCAGTGAATCTACAGGG 962
                                                                                                                                                                                              2 ATATGAGCAGTAGCAGTGAATCTACAGGG 30
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Method for measuring telomeric s
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86.7%;
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JP 2001095586-A/1.
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Best Local Similarity 86.7
Matches 26; Conservative
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source

FEATURES

DEFINITION ACCESSION

VERSION KEYWORDS

ORGANISM

REFERENCE AUTHORS

TITLE JOURNAL

COMMENT

RESULT 269

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Gaps

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DEFINITION ACCESSION VERSION

RESULT 27 AX693037

SOURCE ORGANISM

KEYWORDS

REFERENCE AUTHORS

TITLE

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E 1 (bases 1 to 27)

S Lane, D., Bottger, V., Bottger, A., Picksley, S., Hochkeppel, H.K.,
Elane, D., Bottger, V., Bottger, A., Picksley, S., Hochkeppel, H.K.,
Echweria, C.G., Chene, P. and Puret, P.
Inhibitor of interaction between P53 and MDM2
Inhibitor of interaction between P53 and MDM2

D 2001500365-A 5 16-JAN-2001;
NOVARTIS AG, CANCER RESEARCH CAMPAIGN TECHNOLOGY LTD
OS Unidentified
PN JP 2001500365-A/5
PP 16-JAN-2001
PF 04-JUL-1997 JP 1998504775
PF 04-JUL-1997 JP 1998504775
PR 05-JUL-1996 GB 9614197.3, 07-APR-1997 GB 9707041.1 PI
DAVID LANE, VOLKER BOTTGER, ANGELIKA BOTTGER, STEPHEN PICKSLEY, PI
HEINZ KURT HOCHKEPPEL, CARLOS GARCIA ECHEVERRIA, PATRICK CHENE, PI
PASCAL FURET
PC C12N15/09, A61K38/00, A61K45/00, A61P35/00, C07K7/06, C07K7/08, PC
                                                                                                                                                                                                                                                                                                                                                                                 C12N15/09, A61K38/00, A61K45/00, A61P35/00, C07K7/06, C07K7/08, PC
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Resnick,M.A., Larionov,V.L., Kouprina,N.Y. and Perkins,E.L. TRANSFORMATION-ASSOCIATED RECOMBINATION CLONING
Patent: WO 9801573-A 4 15-JAN-1998;
US HEALTH (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.0%; Score 23.6; DB 1; Length 30; Best Local Similarity 86.7%; Pred. No. 6.4e+02; Matches 26; Conservative 0; Mismatches 4; Indels
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Strandedness: Single;
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/organism='Unidentified'
Location/Qualifiers
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Matches 24; Conservative 0; Mismatches

    .30
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    /mol_type="unassigned DNA"
    /db_xref="taxon:32644"

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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Sequence 4 from Patent W09801573.
A68624
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    unidentified
unidentified
unclassified.
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A68624
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AX118472
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AUTHORS
TITLE
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                                                                                           AUTHORS
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Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                              Shannon, M., Gu, Y. and Nguyen, C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Lane, D., Boettger, V., Boettger, A., Picksley, S., Hochkeppel, H., Garcia-Echeverria, C., Chene, P. and Furet, P.
INHIBITIONS OF THE INTERACTION BETWEEN P53 AND MDM2
Patent: WO 9801467-A 71 15-JAN-1998;
CIBA GEIGY AG (CH)
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 25,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ch 1.0%; Score 24; DB 1; Le sin Similarity 100.0%; Pred. No. 5.8e+02; 24; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                            Acenica, EP 1281758-A 5769 05-FEB-2003;
Acomica, Inc. (US)
Location/Qualifiers
                                                                                                           25 bp DN
Sequence 5769 from Patent BP1281758.

    .25
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Sequence 71 from Patent W09801467.
A72116
A72116.1 GI:4808073
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2 GGGTTTCACCGTGTTAGCCAGGAT 25
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Best Local Similarity
Matches 24; Conserva
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unidentified
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

RESULT 273

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FEATURES

JOURNAL

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source

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PAT 06-MAY-1999

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PAT 11-MAY-2001

DEFINITION ACCESSION VERSION KEYWORDS

RESULT 274

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BD003108

LOCUS

SOURCE ORGANISM

VERSION KEYWORDS

REFERENCE AUTHORS

JOURNAL

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DEFINITION ACCESSION

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PAT 11-MAY-2001
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                                                         /organism="synthetic construct"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Picoult-Newburg, L. and Pohl, M. Genotyping reagents, kits and methods of use thereof Patent: WO 0129262-A 3530 26-APR-2001; Orchid BioSciences, Inc. (US)
                                                                                                                                                    Query Match 1.0%; Score 23.4; DB 1; Length 25; Best Local Similarity 96.0%; Pred. No. 6.1e+02; Matches 24; Conservative 0; Mismatches 1; Indels
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88.9%; Pred. No. 6.3e+02;
tive 0; Mismatches 3;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="teaxon:32630"
/note="Primer"
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/organism="synthetic construct"
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/noTe="Primer"
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Sequence 3123 from Patent WO0129262.
AX118000
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Seguence 3530 from Patent WO0129262.
AX118407
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/note="n = C3 linker"
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                          Location/Qualifiers
       Curagen Corporation (US)
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Profiling tumor specific markers for the diagnosis and treatment of meoplastic disease patent: WO 0240716-A 179 23-MAY-2002; Cemines, LLC (US)
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                                                                                                                                            Picoult-Newburg, L. and Pohl, M. Genotyping reagents, kits and methods of use thereof Patent: WO 0129262-A 3595 26-APR-2001; Orchid BioSciences, Inc. (US)
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Pred. No. 6.1e+02;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noce="primer"
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/db_xref="taxon:32630"
/noTe="Probe"
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Sequence 921 from Patent W002068649.
AX922581
Sequence 3595 from Patent W00129262.
AX118472
AX118472.1 GI:14035423
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Sequence 179 from Patent W00240716.
AX548255
AX548255.1 GI:25813289
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Best Local Similarity 96.0°
Matches 24; Conservative
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AR089946
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Rosen,G.D., Lennox,E.S. and Musser,J.H.
Uses of diterpenoid triepoxides as an anti-proliferative agent
Patent: US 5537984.A 4 25-MRA-2003;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 23; Conservative 0; Mismatches 0; Indels
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Patent: WO 2004005547-A 135 15-JAN-2004;
IMPERIAL COLLEGE INNOVATIONS LIMITED (GB)
LOCATION/QUALIFIER
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/mol_type="unassigned DNA"
/mol_txpe="txxxxx:32630"
/noTe="HS consensus sequence"
89.3%; Pred. No. 6.6e+02; ive 0; Mismatches 3
                                                                                                                          23 bp DNA Sequence 135 from Patent WO2004005547. CQ766174
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Sequence 4 from patent US 6537984.
AR300897.1 GI:31688464
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Sequence 4 from patent US 6599499.
AR361046.1 GI:33768613
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/organism="unknown"
/mol_type="genomic DNA"
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             25, Conservative
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Unclassified.
 Best Local Similarity
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AR300897/c
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AR361046/c
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CQ766174
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1 (bases 1 to 23)
Rosen, G.D., Lennox, E.S. and Musser, J.H.
Uses of diterpenoid triepoxides as an anti-proliferative agent
Patent: US 659499-A 4 29-UUL-2003;
Location/Qualifiers
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1 (bases 1 to 26)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R. dethods of assaying differential expression Patent: US 5994076-A 66 30-NOV-1999;
Location/Qualifiers
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1.0%; Score 23; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 23; Conservative 0; Mismatches 0;
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Sequence 5750 from Patent EP1281758.
AX693018
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/organism="unknown"
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Sequence 66 from patent US 5994076.
AR089946.1 GI:10016701
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Location/Qualifiers
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1.0%; Score 22.8; DB 1; Length 26;
Best Local Similarity 92.3%; Pred. No. 6.6e+02;
Matches 24; Conservative 0; Mismatches 2; Indels
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Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
Patent: US 6352829-A 66 05-WAR-2002;
Location/Qualifiers
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Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
Patent: US 6489455-A 66 03-DEC-2002;
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                                                                                                                                               AR196981 26 bp 1
Sequence 66 from patent US 6352829.
AR196981.1 GI:20246830
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Sequence 66 from patent US 6489455.
AR259135.1 GI:27309646
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                                                      2342 AAAGTGCTGGGATTACAGGCATGAGC 2367
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                                                                        AAAGTGCTAGGATTACAGGCGTGAGC 26
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Unclassified.
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                 Genotyping reagents, kits and methods of use thereof Patent: WO 0129262-A 2075 26-APR-2001; Orchid BioSciences, Inc. (US) Location/Qualifiers
                                                                                                                                                                                                                                                                            Length 27;
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
/note="n = C3 linker"
                                                                                                                                                                                                                                                                       Query Match
1.0%; Score 22.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 6.7e+02;
Matches 24; Conservative 0; Mismatches 3;
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1.0%; Score 22.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 6.7e+02;
Matches 24; Conservative 0; Mismatches 3;
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/mol_type="unassigned DNA"
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/note="Primer"
1. .27
/note="n = C3 linker"
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Sequence 3283 from Patent WO0129262.
AX118160
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Picoult-Newburg, L. and Pohl, M.
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synthetic construct
artificial sequences.
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AX092647.1 GI:13444704
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Best Local Similarity 86.2%;
Matches 25; Conservative (
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Unclassified.
1 (bases 1 to 25)
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AR322085/c
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AR073125/c
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Unclassified.
I (bases to 30)
de la Monte, S. and Wands, J.R.
Neural thread protein gene expression and detection of Alzheimer's
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de la Monte, S. and Wands, J.R.
Neural thread protein gene expression and detection of alzheimer's
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Pred. No. 7e+02;
0; Mismatches 4; Indels
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1.0%; Score 22.6; DB 1; Length 30;
Best Local Similarity 86.2%; Pred. No. 70+02;
Matches 25; Conservative 0; Mismatches 4; Indels
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Sequence 6 from patent US 5948634.
AR072580.
AR072580.1 GI:9999344
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Sequence 6 from patent US 5830670.
AR051440 GI:5974804
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Matches 25; Conservative
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AR072580/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: WO 0115676-A 59 08-WAR-2001;
University of British Columbia (CA); Xenon Genetics Inc. (CA)
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Pred. No. 7e+02;
0; Mismatches 4; Indels
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AR322085.1 GI:33707625
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Patent: US 5948888-A 6 07-SEP-1999;
Location/Qualifiers
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AR073125 30 bp
Sequence 6 from patent US 5948888.
AR073125
AR073125.1 GI:9999888
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PAT 20-JUN-2002

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Unclassified.

1 (bases 1 to 22)
Rosen,G.D., Lennox,E.S. and Musser,J.H.
Wiss of diterpenoid triepoxides as an anti-proliferative agent
Patent: US 6537984-A 3 25-MAR-2003;
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Pred. No. 6.7e+02;
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Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 22; Conservative 0; Mismatches 0;
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100.0%; Pred. No. v.
0; Mismatches
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1 (bases 1 to 22)
Agrawal, S. and Kandimalla, E.R.
Pseudo-cyclic oligonucleobases
Patent: US 6383752-A 19 07-MAY-2002;
Location/Qualifiers
     Mismatches
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Sequence 19 from patent US 6383752.
AR208403.1 GI:21509548
                                                                                                                                                                                                                                                                                                                                                                                      /organism="unknown"
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Sequence 3 from patent US 6599499.
AR361045
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/mol_type="genomic DNA"
                                    2338 TCCCAAAGTGCTGGGATTACAG 2359
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Sequence 3 from patent US
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AR300896.1 GI:31688463
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     22; Conservative
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Perucho,M., Peinado,M.A., Ionov,Y., Malkhosyan,S., McClelland,M. and Welsh,J. Identification of neoplasms by detection of genetic insertions and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 22)
Garini, Y., Cabib, D., Buckwald, R.A., Ried, T. and Soenksen, D.G.
Garini, Y., Cabib, D., Buckwald, R.A., Ried, T. and Soenksen, D.G.
sherhod for simultaneous detection of multiple fluorophores for in
shethod for simultaneous detection of multicolor chromosome painting and banding
Patent: US 5817462-A 106-00T-1998;
Location/Qualifiers
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 0142511-A 1783 14-JUN-2001,
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Ellipsis
Biotherapeutics Corporation (CA)
Location/Qualifiers
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Pred. No. 6.7e+02;
0; Mismatches 1;
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Sequence 1783 from Patent W00142511.
AX184030
                                                                 Patent: US 6566053-A 10 20-MAY-2003;
Location/Qualifiers
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/mol_type="unassigned DNA"
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Sequence 1 from patent US 5817462.
AR044033.1 GI:5965498
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/organism="unknown"
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95.8%;
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Best Local Similarity 95.88
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E50643 11-JAN-2002 Simple detection method of drug-metabolizing synthetase gene
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Mizugaki,M. and Hiratsuka,M.
Simple detection method of drug-metabolizing synthetase gene
Patent: JP 2001,01185-A 7 23-JAN-2001;
OTSUKA PHARMAÇEUT CO LTD
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/organism='Unidentified'.
Location/Qualifiers
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C12N15/09,C12Q1/68,C12Q1/68,C12N15/00
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Best Local Similarity 92.0%; Pred. No. 7.2e+02;
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Patent: WO 02072882-A 5137 19-SEP-2002;
OGHAM GmbH (DE)
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Sequence 5137 from Patent W002072882.
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/organism="Homo sapiens"
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JP 2001017185-A/7
23-JAN-2001
10-DEC-1999 JP 1999351610
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      2274 GGGTTTCACCGTGTTAGCCAGG 2295
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JP 2001017185-A/7.
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Mammalla, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 22)
Rosen, G.D., Lennox, E.S. and Musser, J.H.
Uses of diterrepenoid triepoxides as an anti-proliferative agent
Patent: US 659499-A 3 29-UUL-2003;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 22)
1 (bases I brooks Wilson, A.R. and Pimstone, S.N. Process for identifying modulators of ABC1 activity Patent: US 6617122-A 275 09-SEP-2003;
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Aeomica, Inc. (US)
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Sequence 5749 from Patent EP1281758.
AX693017
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Sequence 275 from patent US 6617122.
AR393736
AR393736.1 GI:40120580

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/organism="unknown"
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequence 5723 from Patent BP1281758.
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/db_xref="taxon:9606"
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Aeomica, Inc. (US)
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 5660 from Patent EP1281758.

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2113 GCTCTGTTACCCAGGCTGGAGTGCA 2137
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Aeomica, Inc. (US)
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Aeomica, Inc. (US)
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Sequence 5725 from Patent EP1281758.
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                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Daly,M., Hudson,T.J., Lander,E.S., Rioux,J. and Siminovitch,K. Ibd-related polymorphisms
Patent: WO 0142511-A 1878 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Ellipsis
Biotherapeutics Corporation (CA)
                                             Gaps
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Haemmerle_T.D., Falkner,F.D., Kohl,J.D., Himmelspach,M.D. and
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Length 25,
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Score 21.8; DB 1;
Pred. No. 7.2e+02;
0; Mismatches 2;
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Seguence 1878 from Patent WO0142511.
AX184125
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Other publication JP 8105887 960423
Other publication CA 2159043 960327
Other publication AT 183094 951215.
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Method for quantifying genomic DNA
Patent: EP 0714987-A 2 05-JUN-1996,
IMMUNO AG (AT)
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A49272
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DEFINITION

ACCESSION VERSION KEYWORDS

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RESULT 314

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AR122136

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PAT 21-JAN-2000

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Duff,G.W. and Kornman,K.S. Screening assays for identifying modulators of the inflammatory or Screening assays for identifying modulators of the inflammatory or mamner responses for identifying modulates WO 0200933-A 15 03-JAN-2002; Interleukin Genetics, Inc. (US) Location/Qualifiers
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unclassified.
1 (bases 1 to 25)
Duff,G. and Cox,A.
PULYMORPHISMS
PARDICTION OF INFLAMMATORY DISEASE ASSOCIATED WITH IL-1 GENELOCI
POLYMORPHISMS
PACENT: WO 9854359-A 3 03-DEC-1998;
DUFF GORDON (GB); COX ANGELA (GB)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Description of Artificial Sequence: PCR Primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.9%; Score 21.4; DB 1; Length 25; Best Local Similarity 95.7%; Pred. No. 7.4e+02; Matches 22; Conservative 0; Mismatches 1; Indels
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"
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   Patent: WO 02068647-A 260 06-SEP-2002;
Curagen Corporation (US)
Location/Qualifiers

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    /organism="unidentified"
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Sequence 15 from Patent W00200933.
AX360029
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Sequence 3 from Patent WO9854359.
A82465
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Fu, Y.-H., Yu, C.-E., Oshima, J., Mulligan, J.T. and Schellenberg, G.D. Gene products related to werner's syndrome
Patent: US 6583112-A 30 24-JUN-2003;
Location/Qualifiers
                                                                                                                                                                                                                                       Unclassified.

1 (bases 1 to 28)

1 Dorner, F., Barrett, N. and Bibl, J.

Process for disintegrating nucleic acids and preparing biological products of guaranteed quality

Patent: US 6165711-A 8 26-DEC-2000;
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85.7%; Pred. No. 7.6e+02;
7ative 0; Mismatches 4;
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    .28
/organism="unknown"
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                                                                                                            AR122136 28 bp
Sequence 8 from patent US 6165711.
1 GAGACAGAGTCTCGCTCTGTCGCCCAGG 28
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/organism="unknown"
/mol_type="genomic DNA"
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RESULT 315 AR345149/c DEFINITION

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I (bases 1 to 25)

S Duff, G., Cox, A., Camp, N.J. and Giovine, F.S.D.

Duff, G., Cox, A., Camp, N.J. and Giovine, F.S.D.

Prediction of inflammatory disease associated with IL-1 geneloci
polymorphisms

D Prediction of inflammatory disease associated with IL-1 geneloci
polymorphisms

L Patent: JP 2002500513-A

S Duidentified

PN JP 2002500513-A/3

PD 08-JAN-2002

PF 21-MAY-1997 GB 9711040.7

PI GORDON DUFF, ANGELA COX, NICOLA JANE CAMP, FRANCESCO SAVERIO DE
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                                                                                                                                                         BD124526 25 bp DNA linear PAT 18-SEP-2002 Prediction of inflammatory disease associated with IL-1 geneloci
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Prediction of inflammatory disease associated with IL-1
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Query Match 0.9%; Score 21.4; DB 1; Length 25; Best Local Similarity 95.7%; Pred. No. 7.4e+02; Matches 22; Conservative 0; Mismatches 1; Indels
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/db_xref="taxon:32644"
                                                        2350 GGGATTACAGGCATGAGCCACCG 2372
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Strandedness: Single;
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BD124526
BD124526.1 G1:23219471
JP 200250513-A/3.
unidentified
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85.2%; Pred. No. 7.8e+02;
tive 0; Mismatches 4; Indels
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0.9%; Score 21.2; DB 1; Length 27;
Best Local Similarity, 85.2%; Pred. No. 7.8e+02;
Matches 23; Conservative 0; Mismatches 4; Indels
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1. .27
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Primer"
1. .27
/note="n = C3 linker"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="teaxon:32630"
/noTe="Primer"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Seguence 2319 from Patent WO0129262.
AX117196
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/note="n = C3 linker"
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/note="n = C3 linker"
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artificial sequences.
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Best Local Similarity 85.2.
Thes 23; Conservative
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AX190635.1 GI:15143914
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           Score 21.2; DB 1; Length 27; Pred. No. 7.8e+02; 0; Mismatches 4; Indels
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Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 21; Conservative 0; Mismatches 0;
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/db_xref="taxon:32630"
/note="primer"
                                                                                                                                                                                                                               Unknown.

Unclassified.

E 1 (bases 1 to 21)

S Agrawal,S. and Kandimalla,E.R.

Pseudo-cyclic oligonucleobases

AL Patent: US 6383752-A 21 07-MAY-2002;

Location/Qualifiers

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Sequence 3122 from Patent WO0129262.
AX117999
                                                                                                                                                      Sequence 21 from patent US 6383752.
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Sequence 53 from Patent WO0144287.
                                                               2344 AGTGCTGGGATTACAGGCATGAGCCAC 2370
                                                                             1 AGTGCTGAAATTACAGNCGTGAGCCAC 27
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         Query Match 0.9%;
Best Local Similarity 85.2%;
Matches 23; Conservative
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AX190635/c
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AR208405/c
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Lipase genes and proteins
Patent: WO 0305595-A 68 10-JUL-2003;
Wen, Xiao-Yan (CA); Stewart, A., Keith (CA); Tsui, Lap-Chee (CN); Hegele, Robert, A. (CA)
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                     Novel polypeptides and nucleic acids encoding same Patent: WO 0144287-A 53 21-JUN-2001; Curagen Corporation (US)
                                                                                                                                                                                                                                        /organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:22670"
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/noTe="2826468 expression forward primer"
                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 7.3e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001511996-A 22 11-SEP-2001;
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Sequence 68 from Patent WO03055995.
AX800306

    21 /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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BD073983.1 GI:22619586
synthetic construct
synthetic construct
artificial sequences.
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Homo sapiens
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26-MAR-2002
26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                           PAT 18-SEP-2002
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C12N15/00
Strandedness: Single;
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Parent: WO 0115576-A 199 08-MAR-2001;
University of British Columbia (CA); Xenon Genetics Inc. (CA)
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Antisense modulation of human MDM2 expression FH
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                                         BD138343 21 bp DNA line
Antisense modulation of human MDM2 expression.
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Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 7.3
Matches 21; Conservative 0; Mismatches
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Sequence 199 from Patent WO0115676.
AX092787
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    .21
    /organism="unidentified"

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Homo sapiens
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PN JP 2001513996-A/44
PN JP 2001513996-A/44
PD 11-SEP-2001
PF 18-AUG-1998 UP 2000507794
PR 22-AUG-1999 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00, CC
Strandedness Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
PK Key
Location/Qualifiers
FT SOURCE
/ Organism=' Unidentified'
OS Unidentified
PN JP 2001513996-A/22
PN JP 2001513996-A/22
PD 11-SEP-2001
PF 18-AUG-1998 UP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN,SUDHIR AGRAWAL,RUIWEN ZHANG
PC C12N15/09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,CO7H21/00,CC
CS TRAINGAGNESS: BDth;
CC Topology: Linear;
CC Antisense oligonuclectide specific to MDM2
FH Key 1. 21
FT source /organism='Unidentified'.
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100.0%; Pred. No. 7.3e+02;
cive 0; Mismatches 0; Indels
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/organism='Unidentified'
Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
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1 (bases 1 to 21)
Chen, J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 44 11-SEP-2001;
HYBRIDON INC
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0.9%; Score 21; DB 1; L
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 21; Conservative 0; Mismatches 0;
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BD074005.1 GI:22619608
JP 2001513996-A/44.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                             Hayden, M.R., Brooks-Wilson, A.R., Pimstone, S.N. and Clee, S.M. Compositions and methods for modulating hdl cholesterol and trigiveride levels
Patent: WO 0115576-A 14 08-MAR-2001;
University of British Columbia (CA); Xenon Genetics Inc. (CA)
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Parent: WO 0115576-A 62 08-MAR-2001;
University of British Columbia (CA); Xenon Genetics Inc. (CA)
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/organism="Homo sapiens"
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Sequence 55 from Patent WO02066681.
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Sequence 62 from Patent WO0115676.
AX092650
                                        AX092602 24 bp
Sequence 14 from Patent WO0115676.
AX092602
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Regulatory elements in the 5' region of the vrl gene
Patent: WO 2004053120-A 710 24-JUN-2004;
Gruenenthal GmbH (DB)
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Query Match 0.9%; Score 21; DB 1; Length 22; Best Local Similarity 95.5%; Pred. No. 7.4e+02; Matches 21; Conservative 0; Mismatches 1; Indels
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CQ828992
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Sequence 5748 from Patent EP1281758.
AX693016
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/db xref="taxon:9606"
/note="v&GFII 01"

    .25
    /organism="Homo sapiens"

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                                                                       2188 TICICCIGCCICAGCCICCCAA 2209
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Location/Qualifiers
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CQ828992/c
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He m30 gene family and the utilization thereof
Patent: W0 0221138-A 31 14-MAR-2002;
Axaron Bioscience AG (DE)
Location/Qualifiers
Eukaryota, Metazoa; Chordata; Craniata, Vertebrata; Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                              Poole, J., Roninson, I.B. and Chang, B.D.
Reagents and methods for identifying and modulating expression of
genes regulated by cdk inhibitors
Patent: WO 02066681-A 52-AUG-2002;
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS (US)
Location/Qualifiers
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                                                                                                                                                                /organism="Homo sapiens"
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/note="Sense primer for PSF promoter"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon.32630"
/note="PCR primer"
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Patent: WO 03050302-A 12 19-JUN-2003;
Birx Therapeutics Ltd (IE)
Location/Qualifiers
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AX797527
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Sequence 31 from Patent W00221138.
AX817219
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1. .24
/organism="synthetic construct"
/mol_type="unassigned DNA"
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/note="Beschreibung der kunstlichen Sequenz: Primer fur PCR-Reaktion zur Amplifikation von M30 des Menschen"
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/nofe="primer"
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AXI15904.1 GI:14032846
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Sequence 1467 from Patent WO0129262.
AX116344
AX116344.1 GI:14033286
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Matches 22; Conservative
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                       Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 91.7%; Pred. No. 7.9e+02;
Matches 22; Conservative 0; Mismatches 2; Indels
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Sequence 5659 from Patent EP1281758.
AX692927
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Aeomica, Inc. (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                                                      /mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
   AX692920
AX692920.1 GI:29415883
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                                                     Homo sapiens (human)
Homo sapiens
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Homo sapiens
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Matches 22; Conserv
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Acomica, Inc. (US)
Location/Qualifiers
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Sequence 5649 from Patent EP1281758.
AX692917
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Sequence 5650 from Patent BP1281758.
AX692918
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Sequence 5652 from Patent EP1281758.
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/mol_type="unassigned DNA"
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    /organism="Homo sapiens"

2249 ATTTTTGTACTTTTAGTAGAGAC 2272
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Location/Qualifiers
                     AX692917.1 GI:29415880
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Homo sapiens
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Homo sapiens
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AX692920
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AX692917
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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our human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                             Patent: EP 1281758-A 5659 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Aeomica, Inc. (US)
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/db_xref="taxon:9606"
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/organism="Homo sapiens"
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Charycla; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 91.7%; Pred. No. 7.9e+02;
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Best Local Similarity 91.7%; Pred. No. 7.9e+02;
Matches 22; Conservative 0; Mismatches 2;
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 5726 from Patent EP1281758.
AX692994

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Cytokine-like proteins that promote cell proliferation
Patent: US 6610285-A 18 26-AUG-2003;
Location/Qualifiers
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Pred. No. 7.9e+02;
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                             25 bp DP Sequence 5730 from Patent EP1281758. AX692998 GI:29415961
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Sequence 18 from patent US 6610285.
AR381743.1 GI:40089939
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Location/Qualifiers
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/organism="unknown"
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: WO 0142511-A 1646 14-JUN-2001,
WHITBHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Ellipsis
Biotherapeutics Corporation (CA)
Location/Qualifiers
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Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 503 15-WAR-2001,
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
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Genotyping reagents, kits and methods of use thereof Patent: WO 0129262-A 2063 26-APR-2001, Orchid BloSciences, Inc. (US) Location/Qualifiers
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"
/note="n = C3 linker"
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Sequence 1646 from Patent WO0142511.
AX183893

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/db_xref="taxon:9606"

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Sequence 503 from Patent WO0118250.
AX095325
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Location/Qualifiers
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Homo sapiens
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PAT 20-DEC-2002

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Unclassified.

1 (bases 1 to 22)

1 (bases 1 to 22)

2 Bachrow, M.E., Proll, S., Paeper, B. and Staehling-Hampton, K. Methods for identifying genomic deletions

Patent: US 6475739-A 90 05-NOV-2002;
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Brunkow, M. B., Proll.S., Paeper, B. and Staehling-Hampton, K. Methods for identifying genomic deletions
Patent: US 6475739-A 94 05-NOV-2002,
                                                                                    Score 20.4; DB 1; Length 22; Pred. No. 7.8e+02;
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Best Local Similarity 95.5%; Pred. No. 7.8e+02;
Matches 21; Conservative 0; Mismatches 1;
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Best Local Similarity 95.5%; Pred. No. 7.8e+02;
Matches 21; Conservative 0; Mismatches 1;
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Sequence 90 from patent US 6475739.
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Sequence 94 from patent US 6475739.
AR242948
   1. .22
/organism="unidentified"
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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Matches 21; Conservative (
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TITLE
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VERSION
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Peptides eefective in the treatment of tumors and other conditions requiring the removal or destruction of cells

Patent: WO 03008443-A 35 30-JAN-2003;

Nymox Corporation (CA):::---
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Simple detection method of drug-metabolizing synthetase gene Patent: JP 2001017185-A 5 23-JAN-2001;
OS Unidentified
PN JP 2001017185-A/5
PD 23-JAN-2001
PP 10-DEC-1999 JP 1999351610
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                                                                Query Match 0.9%; Score 20.6; DB 1; Length 21; Best Local Similarity 95.2%; Pred. No. 7.6e+02; Matches 20; Conservative 1; Mismatches 0; Indels
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C12N15/09,C12Q1/68,C12Q1/68,C12N15/00
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0.9%; Score 20.6; DB 1;
Best Local Similarity 85.2%; Pred. No. 8.2e+02;
Matches 23; Conservative 0; Mismatches 4;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
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KEYWORDS
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PAT 20-DEC-2002

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AX674898
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AX674899
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Methods for identifying genomic deletions
Patent: Wo 0210455-A 90 07-PEB-2002;
Celltech R & D. Inc. (US); Straehling-Hampton, Karen (US)
Location/Qualifiers
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Methods for identifying genomic deletions
Patent: Wo 0210455-A 94 07-FEB-2002;
Celltech R & D. Inc. (US) ; Straehling-Hampton, Karen (US)
Location/Qualifiers
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                                                                                                           1 (bases 1 to 22)
Hayden,M.R., Brooks-Wilson,A.R. and Pimstone,S.N.
Process for identifying modulators of ABC1 activity
Patent: US 6617122-A 274 09-SEP-2003;
Location/Qualifiers
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    .22
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Sequence 274 from patent US 6617122.
AR393735
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Sequence 90 from Patent WO0210455.
AX384996
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AX385000
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Robataille, J. M. and Hayden, M. R.
Processes for identifying therapeutic agents useful in treating
diseases involving fixed gene
Patent: WO 03005034-A. 25 16-JAN-2003;
Xenon Genetics, Inc. (CA); The University of British Columbia (CA)
Location/Qualifiers
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Robataille, J. M. and Hayden, M. R.
Processes for identifying therapeutic agents useful in treating
diseases involving fzd4 gene
Patent: WO 03005034-A Ze 16-JAN-2003;
Xenon Genetics, Inc. (CA); The University of British Columbia (CA)
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Pred. No. 7.8e+02;
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organism="synthetic construct"
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95.5%; Pred. No. ...
0; Mismatches
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Sequence 25 from Patent WO03005034.
AX674898

    .22
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Sequence 26 from Patent WO03005034.
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/mol_type="unassigned DNA"
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AX116096.1 GI:14033038
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/mol type="unassigned DNA"
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/nofe="pximer"
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|dD_xref="taxon:32630"
|noce="primer"
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Sequence 655 from Patent W00129262.
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AXII5532.1 GI:14032474
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Sequence 394 from Patent WO0129262.
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Patent: WO 0129262-A 1219 26-APR-2001;
Orchid BioSciences, Inc. (US)
Location/Qualifiers
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/db xref="taxon:32630"
/noTe="Primer"

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AXI17740
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Sequence 1787 from Patent WO0129262.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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tive 0; Mismatches 3; Indels
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Patent: EP 1281758-A 5570 05-FEB-2003;
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                                                                                                                              AX692833 25 bp DN
Sequence 5565 from Patent EP1281758.
AX692833
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Seguence 5570 from Patent EP1281758.
AX692838

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Memo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                           0.9%; Score 20.2; DB 1; Length 25; larity 88.0%; Pred. No. 8.3e+02; Conservative 0; Mismatches 3; Indels
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Matches 22; Conservative 0; Mismatches 3; Indels
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 3359 from Patent WO0129262.
AX118236
AX118236.1 GI:14035187

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AX692832
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PAT 31-MAR-2003

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Shannon,M., Gu,Y. and Nguyen,C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
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0.9%; Score 20.2; DB 1;
Best Local Similarity 88.0%; Pred. No. 8.3e+02;
Matches 22; Conservative 0; Mismatches 3;
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                                                     Patent: EP 1281758-A 5656 05-FEB-2003;
Aeomica, Inc. (US)
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 5657 from Patent EP1281758.
AX692925
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Sequence 5658 from Patent EP1281758.
AX622926
AX692926.1 GI:29415889
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                                                                       Homo sapiens (human)
Homo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                               Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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AX692919
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EP1281758.
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Sequence 5571 from Patent EP1281758.

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Sequence 5656 from Patent
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AX692924.1 GI:29415887
                 AX692839.1 GI:29415802
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Homo sapiens
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Best Local Similarity 88.0%; Pred. No. 8.3e+02;
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Best Local Similarity 88.0%; Pred. No. 8.3e+02;
Matches 22; Conservative 0; Mismatches 3;
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Aeomica, Inc. (US)
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Acomica, Inc. (US)
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Sequence 5662 from Patent EP1281758.
AX692930

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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Acomica, Inc. (US)
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Sequence 5732 from Patent EP1281758.
AX693000
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Sequence 5731 from Patent EP1281758.
AX692999
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Sequence 1371 from Patent W00142511.
AX183618 1 G1:15134938
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Homo sapiens
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1 (bases 1 to 20)
Miraglia, L. J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense Oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 4 29-MAY-2001;
Location/Qualifiers
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1 (bases 1 to 20)
Miraglia,L.J. (broco,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 5 29-MAY-2001;
Location/Qualifiers
                                                        0.8%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 7.9e+02;
tive 0; Mismatches 0; Indels
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Seguence 6 from patent US 6238921.
AR154589
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Sequence 4 from patent US 6238921.
AR154587
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Sequence 5 from patent US 6238921.
AR154588 GI:15122641
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Matches 20; Conservative
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Matches 20; Conservative
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                                 Eukaryoča, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalla, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Daly,M., Hudson,T.J., Lander,E.S., Rioux,J. and Siminovitch,K.
Ibd-related polymorphisms
Patent: WO 0142511-A 1371 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis
Blotherapeutics Corporation (CA)
Location/Qualifiers
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Unclassified.
1 (Dassei 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6138921—A 3 29-MAY-2001;
Location/Qualifiers
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Patent: NO 0142511-A 1457 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipsis Biotherapeutics Corporation (CA)
Location/Qualifiers
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Sequence 3 from patent US 6238921.
AR154586
AR154586.1 GI:15122639
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Homo sapiens
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1 (bases 1 to 20)
1 (bases 1 to 20)
Mirablia, J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 9 29-WAY-2001;
Location/Qualifiers
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Miraglia, L.J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 10 29-MAY-2001;
Location/Qualifiers
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Sequence 10 from patent US 6238921.
AR154593
AR154593.1 GI:15122646
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Sequence 11 from patent US 6238921.
AR154594
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6238921.
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Sequence 9 from patent US
AR154592
AR154592.1 GI:15122645
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AR154592/c
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                                    Unknown.
Unclassified.
Unclassified.
1 (bases 1 to 20)
Mizaglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 6 29-MAY-2001;
Location/Qualifiers
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Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense Oligonucleotide modulation of human mdm2 expression
Patent: 18 6 538921-A 8 29-MAY-2001;
Location/Qualifiers
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Unclassified.
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Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 7 29-MAY-2001;
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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Sequence 7 from patent US 6238921.
ARI54590
ARI54590.1 GI:15122643
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Sequence 8 from patent US 6238921.
ARI54591.1 GI:15122644
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AR154599/c
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Unclassified.
1 (bases 1 to 20)
Miraglia, L.J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 13 29-MAY-2001;
Location/Qualifiers
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Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 12 29-MAY-2001;
Location/Qualifiers
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Miraglia, L.J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonuclectide modulation of human mdm2 expression
Patent: 18 6218921-A 11 29-MAY-2001;
Location/Qualifiers
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Sequence 13 from patent US 6238921.
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AR15quence 12 from patent US 6238921.
AR154595.1 GI:15122648
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                                                                                                                                                                       331 CTGTACCTACTGATGGTGCT 350
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AR154596.1 GI:15122649
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Unclassified.
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Best Local Similarity
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AR154595/c
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AR154596/c
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Unclassified.
1 (Dases 1 to 20)
1 (Dases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 15 29-MAY-2001;
Location/Qualifiers
                                                                                                                                       1 (bases 1 to 20)
Miraglia, L. J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 14 29-WAY-2001;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 16 29-MAY-2001;
Location/Qualifiers
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     Sequence 14 from patent US 6238921.
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0.8%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 7.5
Matches 20; Conservative 0; Mismatches
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Sequence 16 from patent US 6238921.
AR154599
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/organism="unknown"
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/mol_type="unassigned DNA"
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Sequence 15 from patent US 6238921.
ARI54598
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Best Local Similarity 100.
Matches 20, Conservative
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Unclassified.
AR154597
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Unclassified.
1 (bases 1 to 20)
1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Miraglia,L.J., Noro,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 21 29-MAY-2001;
Location/Qualifiers
                        Unknown.
Unclassified.
Unclassified.
I (bases I to 20)
Miraglial.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2
Patent: US 6218921-A 19 29-MAY-2001;
Locarion/Qualifiers
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Unclassified.
Unclassified.
I (bases I to 20)
Miraglial.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2
Patent: US 6238921-A 20 29-MAY-2001;
Location/Qualifiers
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Sequence 20 from patent US 6238921.
ARIS4603.1 GI:15122656
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Sequence 21 from patent US 6238921.
AR154604
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AR154603/c
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Unclassified.
1 (bases 1 to 20)
Mizaglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 17 29-MAY-2001;
Location/Qualifiers
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Unknown.
Unclassified.
1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J. and Monia,B.P.
Antisense oligonucleotide modulation of human mdm2 expression
Patent: US 6238921-A 18 29-MAY-2001;
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AR154600
AR154600.1 GI:15122653
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AR154601
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Sequence 19 from patent US 6238921.
AR154602.1 GI:15122655
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PAT 08-AUG-2001

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TITLE JOURNAL FEATURES

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GENERYECH INC

OS Artificial Sequence
PD 08-0C7-2002
PD 08-0C7-2002
PP 03-NOV-1999 JP 2000585265
PP 03-NOV-1999 US 60/110286,16-APR-1999 US 60/129583 PR
15-JUL-1999 US 60/143886
PP 03-NOV-1999 US 60/129583 PR
PP 03-NOV-1999 US 60/143886
PP 03-NOV-1999 US 60/146/46,
PP 03-NOV-1999 US 60/14/47,
PP 03-NOV-1990 US
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1. 20
/organism='Artificial Sequence'
Location/Qualifiers
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     Fluorescent probe for chromosome painting
Patent: JP 2002527077-A 1 27-AUG-2002;
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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/mol type="genomic DNA"
/db_kref="taxon:32630"
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27-AUG-2002
15-OCT-1999 JP 2000576054
15-OCT-1998 FR 98/129
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Location/Qualifiers
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BD267626
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                                                                                                                                                                                                                                                                                                                        Unknown.
Unclassified.
1 (bases 1 to 20)
Miraglia, L.J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonuclaotide modulation of human mdm2 expression
Patent: US 628921-A 22 29-MAY-2001;
Location/Qualifiers
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Miraglia, L.J., Nero, P., Graham, M.J. and Monia, B.P.
Antisense oligonucleotide modulation of human mdm2
Patent: US 6238921-A 25 29-MAY-2001,
Location/Qualifiers
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100.0%; Pred. No. 7.9e+02;
live 0; Mismatches 0; Indels
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Sequence 22 from patent US 6238921.
AR154605 1 GI:15122658
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Sequence 25 from patent US 6238921.
AR154608 1 GI:15122661
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/organism="unknown"
/mol_type="unassigned DNA"
2224 AGTCATCTGCCACCACACCT 2243
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PD 2002527077-A/1.
Synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
Cherif, D.
                                  20 AGTCATCTGCCACCACCT
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RESULT 403 AR154608/c

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PAT 20-JUN-2002
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 E31877 20 bp DNA linear Method for anticipating risk of Alzheimer's disease.
                                                                                                                                                        Method for anticipating risk of Alzheimer's disease Patent: JP 1999308996-A 10 09-NOV-1999; SRL INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 7.9e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                 organism='Unidentified'.
                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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Wichsesified.
E 1 (bases 1 to 20)
S Agrawal, S. and Kandimalla, E.R.
Pseudo-cyclic oligonucleobases
ALD Patent: US 6383752-A 22 07-MAY-2002;
Location/Qualifiers
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Sequence 22 from patent US 6383752.
AR208406.1 GI:21509552
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Sequence 3 from patent US 6465247.
AR236783.1 GI:27280976

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/db_xref="taxon:32644"

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09-NOV-1999
                                E31877
E31877.1 GI:13017436
                                                          JP 1999308996-A/10.
unidentified
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AR236783/c
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="teaxon:32630"
/note="Description of Artificial Sequence: an artificially
synthesized primer se q uence"
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                                                                                                                                                                                                                                                                                                  Koga,H.
Primers for synthesizing full length cDNA clones and their use Patent: EP 1396543-A 4421 10-MAR-2004;
Research Association for Biotechnology (JP)
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/db_xref="taxon:32630"
/note="primer for amplification of D6S105"
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;

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    /organism="synthetic construct"

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Diagnostic test
Patent: WO 2004018711-A 21 04-MAR-2004;
University College London (GB)
Location/Qualifiers
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CQ786097
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Sequence 4421 from Patent EP1396543.
CQ784281. GI:45538769
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              2349 TGGGATTACAGGCATGAGCC 2368
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E31877/c
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CQ786097
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Unclassified.
1 (branch to 20)
Todd,J.A., Hess,J.W., Caskey,C.T., Cox.R.D., Gerhold,D.,
Hammond,H., Hey,P., Kawaguchi,Y., Merriman,T.R., Metzker,M.L.,
Nakagawa,Y., Phillips,M.S. and Twells,R.C.J.
                                                                                                                                                                                                                                                                                                                                                                                                                               Unclassified.

1 (bases 1 to 20)

Todd,J.A., Hess,J.W., Caskey,C.T., Cox,R.D., Gerhold,D.,
Hammond,H., Hey,P., Kawaguchi,Y., Merriman,T.R., Metzker,M.L.,
Nakagawa,Y., Phillips,M.S. and Twells,R.C.J.
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                             / Unknow...
Unclassified.
Unclassified.
1 (bases 1 to 20)
Weissman,I.L., Traver,D.J. and Akashi,K.
Mammalian myeloid progenitor cell subsets
L Patent: US 6465247-A 3 15-00T-2002;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                    Sequence 257 from patent US 6545137.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent: US 6545137-A 257 08-APR-2003;
Location/Qualifiers
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Location/Qualifiers
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AR309407/c
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I (bases 1 to 20)
Manoharan,M. and Guzaev,A.P.
Process for preparing peptide derivatized oligomeric compounds
Process for preparing peptide derivative for process for proce
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Detection of altered expression of genes regulating cell proliferation
Patent: US 6562959-A 1 13-MAY-2003;
Location/Qualifiers
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Sequence 70 from patent US 6566135.
AR337145.1 GI:33722999
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Sequence 1 from patent US 6562959.
AR321577.
AR321577.1 GI:33706806
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Sequence 2 from patent US 6559279.
AR310706.1 GI:31703861
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/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                         Oligonuclectides conjugated to protein-binding drugs Patent: US 6656730-A 7 02-DEC-2003; Location/Qualifiers
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/nofe="primer"
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Sequence 1398 from Patent WO0129262.
AX116275
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Seguence 1042 from Patent WO0129262.
AX115919
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Sequence 7 from patent US 6656730.
AR435741
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/mol_type="genomic DNA"
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Manoharan, M.
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Monia,B.P. and Cowsert,L.M.
Antisense inhibition of telomeric repeat binding factor 2
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Monia,B.P. and Cowsert,L.M.
Antisense inhibition of telomeric repeat binding factor 2
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                                                      Watt,A.T.
Antisense modulation of caspase 6 expression
Patent: US 6566135-A 70 20-MAY-2003;
Location/Qualifiers
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Patent: US 6300132-A 73 09-OCT-2001;
Location/Qualifiers
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Patent: US 6300132-A 71 09-OCT-2001;
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Sequence 71 from patent US 6300132.
AR370250
AR370250.1 GI:34606756
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Sequence 73 from patent US 6300132.
AR370252 AR370252.1 GI:34606758
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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1 (bases 1 to 20)
Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 3 11-SEP-2001;
HYBRIDON INC
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JP 2001513996-A/2.
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                                          Picoult-Newburg, L. and Pohl, M. Genotyping reagents, kits and methods of use thereof Patent: WO 0129262-A 1399 26-APR-2001; Orchid BioSciences, Inc. (US)
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100.0%; Pred. No. 7.9e+02;
tive 0; Mismatches 0; Indels
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Potentiation of prodrug efficacy
Patent: WO 0134093-A 1 17-MAY-2001,
HYBRIDON, INC.
Location/Qualifiers
1. 20
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Sequence 1 from Patent W00134093.
AX146647
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BD073964
BD073964.1 GI:22619567
UP 2001513996-A/3.
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Antisense oligonucleotide specific to MDM2.
BD073963
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unclassified.
1 (bases 1 to 20)
Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to Patent: JP 2001513996-A 2 11-SEP-2001,
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unclassified
unclassified
unclassified.

1 (base 1 to 20)

2 Chen, J., Agrawal, S. and Zhang, R.

3 Antisense oligonuclectide specific to MDM2
APRIDON INC
OS Unidentified
BP 10-SEP-2001
BP 200151396-A/7
BD 11-SEP-2001
BP 18-AUG-1998 JP 2000507794
BP 22-AUG-1999 JUS 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIMEN ZHANG
BC C12N15/09
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonuclectide specific to MDM2
FF Source
Location/Qualifiers
FT Source
Lorganism='Unidentified'.
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OS Unidentified
DS 2001513996-A 8 IL-SEF-2001;
HYBRIDON INC
OS Unidentified
PD 11-SEP-2001
PP 18-AUG-1998 JP 2000507794
PP 18-AUG-1999 JV 2000507794
PP 2-AUG-1997 US 08/946384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09
CC 12N15/09
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FH Key Location/Qualifiers
FT source lorganism='Unidentified'.
                                                   PAT 27-AUG-2002
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Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
BD073969
                                                 20 bp DNA ... Antisense oligonucleotide specific to MDM2.
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001511996-A 8 11-SEP-2001;
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JP 2001513996-A/7.
unidentified
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JP 2001513996-A/8.
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OS Unidentified
PN JP 200131996-A/3
PD 11-SEP-2001
PP 18-AUG-1999 UP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00,
PC C12N15/09 A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00,
PC C12N15/09 A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00,
PC CANTisense oligonucleotide specific to MDM2
FH Key Location/Qualifiers
FT source (organism='Unidentified'.
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Antisense oligomucleotide specific to MDM2

Patent: JP 2001513996-A 4 11-SEP-2001;

HYBRIDON INC

OS Unidentified

PP 2001513996-A/4

PD 11-SEP-2001

PF 18-AUG-1998 JP 2000507794

PR 22-AUG-1999 JU 2000507794

PC C12N15/00

CC Strandedness: Both;

CC Strandedness: Both;

CC Strandedness: Both;

CC Antisense oligomucleotide specific to MDM2

PR Key

Location/Qualifiers

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/organism='Unidentified'.
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Location/Qualifiers
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PN JP 2001313996-A/9
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00,
PC C12N15/09
CC Strandedness: Both;
CC Antisense oligonucleotide specific to MDM2
FF Key 1. Cocation/Qualifiers
FT source /organism='Unidentified'.
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                                                                                        0.8%; Score 20; DB 1; Length 20; 00.0%; Pred. No. 7.9e+02;
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Chen, J., Agrawal, S. and Zhang, R.
Autisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 9 11-SEP-2001;
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 10 11-SEP-2001;
                                                                                       Query Match 0.8%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 7.9 Matches 20; Conservative 0; Mismatches
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/db_xref="taxon:32644"
               1. .20
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JP 2001513996-A/9.
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JP 2001513996-A/10.
unidentified
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OS Unidentified
PN JP 201513396-A/10
PD 11-SEP-2001
PF 18-AUG-1996 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00,
PC STANDARD PR JAMES PR JAME
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OS Unidentified
DN JP 201513396-4/11
DP JP 201513396-4/11
DP 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-19997 US 08/916384,06-MAY-1998 US 09/073567 PI
JANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, AGIR31/47, AGIR31/7088, AGIR48/00, AG1P35/00, C07H21/00,
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FH Key Location/Qualifiers
FT Source //organism='Unidentified'.
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100.0%; Pred. No. 7.9e+02;
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/organism='Unidentified'.
Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
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unclassified.
1 (bases 1 to 20)
Chen,J., Agrawal,S. and Zhang,R.
Antiesnes oligonucleotide specific to MDM2
Patent: JP 2001513996-A 11 11-SEP-2001;
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.8%; Score 20; DB
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JP 2001513996-A/11.
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PAT 27-AUG-2002

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HYBRIDON INC
OS Unidentified
DS 2001513996-A/15
PD 19-200151396-A/15
PP 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC CIZNIS/00
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FY SOURCE
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FY SOURCE
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CC Antisense oligonucleotide specific to MDM2
FY SOURCE
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CC Antisense oligonucleotide specific to MDM2
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CC Antisense oligonucleotide specific to MDM2
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CC Antisense oligonucleotide specific to MDM2
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/organism='Unidentified'.
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Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
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Antisense oligonucleotide specific to MDM2.
BD073976
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Chen, U., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 15 11-SEP-2001;
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1 (bases 1 to 20)
Chen,J., Agrawal.S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
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JP 2001513996-A/16.
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JP 2001513996-A/15.
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PN JP 2001513996-A/13
PD 11-SEP-2001
PF 18-AUG-1999 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, AG1K31/47, AG1K31/7088, AG1K48/00, AG1P35/00, CO7H21/00, PC C12N15/09, AG1K31/47, AG1K31/7088, AG1K48/00, AG1P35/00, CO7H21/00, CC Strandechaes: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FF Key Location/Qualifiers
FT Source // Organism='Unidentified'.
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PN JP 2001513996-A/14
PD J1-SEP-2001
PF 18-AUG-1998 UP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/00
PC C12N15/00
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FH Key
FT source 1.20
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                                                                20 bp DNA Antisense oligonucleotide specific to MDM2. BD073974
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Chen, J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 13 11-SEP-2001;
HYBRIDON INC
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1 (bases 1 to 20)
Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 14 11-SEP-2001;
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JP 2001513996-A/13.
unidentified
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JP 2001513996-A/14.
                                                                                                                                                                                                                                                      unclassified.
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JP 2001513996-A/19.
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                            OS Unidentified
PN 4P2 201513956-A/16
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAMAL, RUIWEN ZHANG
PC CIZNI5/09, A6IK31/47, A6IK31/7088, A6IK48/00, A6IP35/00, CO7H21/00,
PC CIZNI5/09, A6IK31/47, A6IK31/7088, A6IK48/00, A6IP35/00, CO7H21/00,
PC CIZNI5/09, A6IK31/47, A6IK31/7088, A6IK48/00, A6IP35/00, CO7H21/00,
PC CANTISENSE Oligonucleotide specific to MDM2
CC Antisense oligonucleotide specific to MDM2
FH Key 1. 200
FT source / Organism='Unidentified'.
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PN JP 2001513996-A/17
PN JP 2001513996-A/17
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09. A61K31/47,A61K31/7088,A61K48/00,A61P35/00,C07H21/00,
PC C12N15/09
CC Strandedness: Bott;
CC Topology: Linear;
CC Antisense oligonuclectide specific to MDM2
FH Key
I - 20
FT Source / Organism='Unidentified'.
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Pred. No. 7.9e+02;
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100.0%; Pred. No. 7.9e+02;
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Location/Qualifiers
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/organism='Unidentified'
Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
BD073978
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 Patent: JP 2001513996-A 16 11-SEP-2001;
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100.0%; Pred. No. ...
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                                                                                                                                                                                                                                                                               1. .20
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JP 2001513996-A/17.
unidentified
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Best Local Similarity 100.(
Matches 20; Conservative
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Matches 20; Conserv
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BD073978
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JOURNAL
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HYBRIDON INC
OS Unidentified
PD 11-SEP-2001;
PP 2001513996-A/18
PD 32001513996-A/18
PD 11-SEP-2001
PP 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAML, RUIWEN ZHANG
PC C12N15/09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,C07H21/00,
PC C12N15/09
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FF Key Linear;
FT source Linear;
FT source Lorganism='Unidentifiers
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Strandedness: Both;
Topology: Linear;
Antisense oligonucleotide specific to MDM2
Location/Qualifiers
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Location/Qualifiers
BD073979 20 bp DNA
Antisense oligonucleotide specific to MDM2.
                                                                                                           unidentified
unclassified.
1 (bases 1 to 20)
Chen, J., Agrawal, S. and Zhang, R.
Antisense Oligonucleotide specific to MDM2
Patent: JP 2001513996-A 18 11-SEP-2001;
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unclassified.
1 (bases 1 to 20)
Chen, J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001511996-A 19 11-SEP-2001;
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7.9e+02;
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0.8%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 7.9
Matches 20; Conservative 0; Mismatches
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Continuous INC
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 21 11-SEP-2001;
HYBRIDON INC
OS Unidentified
PN JP 2001513996-A/21
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1999 JD 2000507794
PR 22-AUG-1998 JP 2000507794
PC C12N15/09, AGIK31/47, AGIK31/7088, AGIK48/00, AGIP35/00, C07H21/00, CC Strandedness: Both;
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
PR Key
FR Source 1. 2.

/organism='Unidentifiers'
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llarity 100.0%; Pred. No. 7.9e+02;
Conservative 0; Mismatches 0; Indels
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Location/Qualifiers
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Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
BD073984
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JP 2001513996-A/23.
unidentified
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        TITLE
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HYBRIDON IN COLUSING A 20 11-SEF-2001;

OS Unidentified

PP JP 200151396-A/20

PP 11-SEP-2001

PF 18-AUG-1998 JP 2000507794

PR 22-AUG-1999 JV 808/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG

PC C12N15/09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,C07H21/00,

PC C12N15/09

CC Strandedness: Both;

CC Topology: Linear;

CC Antisense oligonucleotide specific to MDM2

FF Key Location/Qualifiers

FT Source /organism='Unidentified'.
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                                                                                                                                                                                                             Ouery Match
0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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/organism='Unidentified'.
Location/Qualifiers
                           /organism='Unidentified'.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 bp DNA
Antisense oligonucleotide specific to MDM2.
BD071981
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       unidentified
unclassified.
1 (bases 1 to 20)
Chen, J., Agrawal, S. and Zhang, R.
Antisense Oligonucleotide specific to MDM2
Patent: JP 2001513996-A 20 11-SEP-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 bp DNA
Antisense oligonucleotide specific to MDM2.
BD073982

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    /db_xref="taxon:32644"

    .20
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/mol_type="genomic DNA"
/db_xref="taxon:32644"

    (bases 1 to 20)
    Chen, J., Agrawal, S. and Zhang, R.

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                                                                                                                                                                                                                                                                                                                       717 AAGGACCTTGTACAAGAGCT 736
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JP 2001513996-A/20.
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481 TTGGCCAGTATATTATGACT 500
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JP 2001513996-A/28.
unidentified
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1 (bases 1 to 20)
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Best Local Similarity
Matches 20; Conserv
              source
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No JP 2001513996-A/27

PN JP 2001513996-A/27

PD 11-SEP-2001

PF 18-AUG-1998 US 08/916384,06-MAY-1998 US 09/073567 PI

JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG

PC CIZNIS/00

CIZNIS/00

CC Strandedness: Both;

CC Topology: Linear;

CC Antisense oligonucleotide specific to MDM2
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0
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100.0%; Pred. No. 7.9e+02;
iive 0; Mismatches 0; Indels
                                                             linear
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Antisense oligonucleotide specific to MDM2
                                                                                                                                                                                                                                                                                                                                                                               /organism='Unidentified'
Location/Qualifiers
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BD073988.1 GI:22619591
UP 2001513996-A/27.
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 27 11-SEP-2001;
HYBRIDON INC
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Antisense oligonucleotide specific to MDM2.

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1 ATTCAGTTTCAGATCAGTTT 20
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                                                                                  BD073985
BD073985.1 GI:22619588
JP 2001513996-A/24.
unidentified
unidentified
unclassified.
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Best Local Similarity 100.
Matches 20; Conservative
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VERSION
KEYWORDS
SOURCE
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TITLE
JOURNAL
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                                  RESULT 44:
BD073985
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OS Unidentified
PN JP 2001513396-A/28
PN JP 2001513396-A/28
PP 11-SEP-200
PP 11-SEP-201
PP 11-SEP-201
PP 12-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00,
PC STRANGENERS: Dock, C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00,
PC STRANGENERS: Dock, C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00,
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PC STRANGENERS: Dock, C12N15/09, A61K31/47, A61K31/708, A61
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                                                 ce 1. .20
/organism='Unidentified'.
Location/Qualifiers
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BD073990.
BD073990.1 GI:22619593
JP 2001513996-A/29.
unidentified
unidentified
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unclassified.
1 (bases 1 to 20)
Chen, J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001511996-A 28 11-SEP-2001;
                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Le
7.9e+02;
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ilarity 100.0%; Pred. No. 7.9e+02;
Conservative 0; Mismatches 0;
Location/Qualifiers
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0.8%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 7.9
Matches 20; Conservative 0; Mismatches
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                                                                                                                                           BD073992/c
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TITLE
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PN JP 2001513996-A/30

PN JP 2001513996-A/30

PD 11-SEP-2001

PR 18-AUG-1998 US 08/91634, 06-MAY-1998 US 09/073567 PI
JTANDONG CHEN, SUDHIR AGRAWAL, RUINEN ZHANG

PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00, CC

Strandedness Both;

CC Attisense oligonucleotide specific to MDM2

FH Key Location/Qualifiers

FT source / Organism='Unidentified'.
                                                                                               OS Unidentified
PN JP 2001513996-A/29
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,C07H21/00,CC
C12N15/09 A61K31/47,A61K31/71088,A61K48/00,A61P35/00,C07H21/00,CC
C12N15/09 A61K31/47,A61K31/71088,A61K48/00,A61P35/00,C07H21/00,CC
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C12N15/09 A61K31/47,A61K31/71088,A61K48/00,A61P35/00,C07H21/00,CC
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FT C12N15/09 A61K31/47,A61K31/71088,A61K48/00,A61P35/00,C07H21/00,CC
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0; Mismatches 0; Indels
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Antisense oligonucleotide specific to MDM2.
BD073991
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Chen, J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 30 11-SEP-2001;
HYBRIDON INC
     Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 29 11-SEP-2001;
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JP 2001513996-A/30.
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                                                                                 HYBRIDON INC
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BD073991/c
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BY Unidentified

EN UP 2001513996-A/32

PD 11-SEP-2001

PF 18-AUG-1999 US 09/073567 PI

JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG

PC CL2N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00, PC CL2N15/09 and PC CL2N15/00, A61P35/00 CO7H21/00, PC CL2N15/09 and PC CL2N15/00 and PC CL2N1
PAT 27-AUG-2002
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Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
BD073992 20 bp DNA Antisense oligonucleotide specific to MDM2.
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Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 32 11-SEP-2001;
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JP 2001513996-A/31.
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BD073993.1 GI:22619596
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HYBRIDON INC
OS Unidentified
DO 11-282-2001
PP 18-AUG-1998 JP 2000507794
PP 18-AUG-1999 JP 2000507794
PR 22-AUG-1999 JP 0S 08/916384,06-MAY-1998 US 09/073567 PI
JANDONG CHEN, SUDHIR AGRAWAL, RUYMEN ZHANG
PC C12N15/09, AGIR31/47, AGIR31/7088, AGIR48/00, AGIP35/00, CO7H21/00,
PC C12N15/09
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
PF Rource Location/Qualifiers
FT Source //organism='Unidentified'.
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PN JP 200151396-A/35
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWLL, RUIWEN ZHANG
PC C12N15/09, AG1K31/47, AG1K31/7088, AG1K48/00, AG1P35/00, CO7H21/00,
PC C12N15/09, AG1K31/47, AG1K31/7088, AG1K48/00, AG1P35/00, CO7H21/00,
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PC C12N15/09
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FF Key
L1 20
FT Source
/organisma'Unidentified'.
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1 (bases 1 to 20)
Chen, J. Agrawal, S. and Zhang, R.
Antisense Oligonucleotide specific to MDM2
Patent: JP 2001513996-A 35 11-SEP-2001;
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Antisense oligonucleotide specific to MDM2.
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 34 11-SEP-2001;
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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PN JP 2001513996-A/33
PD 11-SEP-2001
PF 18-NGC-1998 JP 2000507794
PR 22-AUG-1999 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAMAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00, PC C12N15/09, A61R31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00, CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
FH Key Location/Qualifiers
FT Source /organism='Unidentified'.
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Antisense oligonucleotide specific to MDM2
Key Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
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1 (bases 1 to 20)
Chin,J., Agrawal,S. and Zhang,R.
Antisense oligonuclectide specific to MDM2
Patent: JP 2001513996-A 33 11-SEP-2001;
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PN JP 2001513996-A/33
PD 11-SEP-2001
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JP 2001513996-A/33.
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RESULT 448 BD073994/c DEFINITION

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PAT 27-AUG-2002

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NEW Z00151396-A/38

PO 200151396-A/38

PD 11-SEP-Z001

PP 18-AUG-1998 JP 2000507794

PR 22-AUG-1999 JP US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWL, RUYMEN ZHANG

PC C12N15/09, AGIR31/47, AGIR31/7088, AGIR48/00, AGIP35/00, C07H21/00,

PC C12N15/00

CC Strandedness: Both;

CC Topology: Linear;

CC Antisense oligonucleotide specific to MDM2

PF Key Location/Qualifiers

PT Source //organism='Unidentified'.
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Topology: Linear;
Antisense oligonucleotide specific to MDM2
Key
Location/Qualifiers
1. 20
                                                                    /organism='Unidentified'.
Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
BD073999
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Antisense oligonucleotide specific to MDM2.
BD074000
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleoride specific to MDM2
Patent: JP 2001511996-A 38 11-SEP-2001;
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Matches 20, Conservative
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BD073999/c
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No Unidentified

No Unidentified

PR 19-2001

PP 18-AUG-1998 JP 2000507794

PR 22-AUG-1999 JV 30 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG

PC C12N15/09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,C07H21/00,

PC C12N15/09

CC Strandedness: Both;

CC Topology: Linear;

CC Antisense oligonucleotide specific to MDM2

FT Source

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/organism='Unidentified'.
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PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI JIANDONG CHEN,SUDHIR AGRAWAL,RUIWEN ZHANG
PC C12N15/09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,C07H21/00,CC Strandedness Dath
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1 (bases 1 to 20)
Chen, J. Agrawal, S. and Zhang, R.
Antiesnee oligonucleotide specific to MDM2
Patent: JP 2001513996-A 37 11-SEP-2001;
HYBRIDON INC
OS Unidentified
PN JP 2001513996-A/37
PD 11-SEP-2001
PP 18-AUG-1999 JP 2000507794
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Antisense oligonucleotide specific to MDM2.
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Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 36 11-SEP-2001;

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JP 2001513996-A/37.
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BD073997/c
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PN JP 2001513996-A/39
PP 11-SEP-2001
PF 18-AUG-1998 UP 2000507794
PR 22-AUG-1999 US 08/916384,06-MAY-1998 US 09/073567 PI JIANDONG CHEN, SUDHIR AGRAMAL, RUIMEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00, PC C12N15/09, Linear;
CC Strandedness: Both;
CC Strandedness: Both;
CC Topology: Linear;
CC Antisense oligonucleotide specific to MDM2
PH Key Location/Qualifiers
PT source /organism='Unidentified'.
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BD074001 GI:22619604
JP 2001513996-A/40.
unidentified
unclassified.

1 (bases 1 to 20)
Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 39 11-SEP-2001;
HYBRIDON INC
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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Antisense oligonucleotide specific to MI
Patent: JP 2001513996-A 40 11-SEP-2001;

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/db_xref="taxon:32644"
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BD074001/c
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PN JP 2001513996-A/42

PD 11-SEP-2001

PF 18-AUG-1999 JP 2000507794

PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG

PC CLIANS/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00, PC C12N15/09
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1 (bases 1 to 20)
Chen,J., Agrawal,S. and Zhang,R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 41 11-SEP-2001;
HYBRIDON INC
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unclassified.
1 (bases 1 to 20)
Chen, J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 42 11-SEP-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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JP 2001513996-A/41.
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JP 2001513996-A/42.
unidentified
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Query Match
Best Local Similarity
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                             REFERENCE
AUTHORS
                                                        TITLE
JOURNAL
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JOURNAL
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PN JP 2001513996-A/43

PN JP 2001513996-A/43

PD 11-SEP-2001

PP 18-AUG-1999 JP 2000507794

PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG

PC 012N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, C07H21/00, PC 012N15/09

CC Strandedness: Both;

CC Topology: Linear;

CC Antisense oligonucleotide specific to MDM2

FR Key Location/Qualifiers

FT SOURCE | 1. 20

/organism='Unidentified'.
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100.0%; Pred. No. 7.9e+02;
tive 0; Mismatches 0; Indels
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        Topology: Linear;
Antisense oligonucleotide specific to MDM2
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Location/Qualifiers
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/organism='Unidentified'
Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
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Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 43 11-SEP-2001;
HYBRIDON INC
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/organism="unidentified"
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/db_xref="taxon:32644"

    ..20
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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 Strandedness: Both;
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Best Local Similarity 100.0
Matches 20; Conservative
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1 (bases 1 to 20)
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Matches 20; Conserv
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BD074006/c
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BD074004/c
LOCUS
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unclassified.

Judges 1 to 20)

AUTHORS
Chen,J., Agrawal,S. and Zhang,R.

Autisense oligonucleotide specific to MDM2
JOURNAL
HYBRIDON INC
COMMENT
OS Unidentified
PD 11-SEP-2001,
PD 11-SEP-2001
PP 18-AUG-1998 US 009/073567 PI
JIANDONG CHEN,SUDHIR AGRAWAL,RUIWEN ZHANG
PC Clanis,09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,CO7H21/00,
PC Clanis,09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,CO7H21/00,
PC Clanis,09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,CO7H21/00,
PC Clanis,09,A61K31/47,A61K31/7088,A61K48/00,A61P35/00,CO7H21/00,
PC TOPOLOGY: Linear;
CC Antisense oligonucleotide specific FF Source
FF Source
FF F Source
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PP 18-AUG-1998 JP 2000507794
PR 22-AUG-1998 JP 2000507794
JIANDONG CHEN, SUDHIR AGRAWAL, RUIMEN ZHANG
PC C12N15/00, AGIX31/47, AGIX31/7088, AGIX48/00, AGIP35/00, CO Strandedness: Both;
CC Topology: Linear;
CC Topology: Linear;
PC Antisense oligonucleotide sperif;
FT source
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unidentified
unidentified
unclassified.
1 (bases 1 to 20)
Chen J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 46 11-SEP-2001;
WWBRIDON INC
OS Unidentified
PN JP 2001513996-A/46
PD 11-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism='Unidentified'
Location/Qualifiers
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Location/Qualifiers
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Antisense oligonucleotide specific to MDM2.
BD074007
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JP 2001513996-A/46.
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BD106214.1 GI:23201032
JP 2002501376-A/229.
Chlamydia sp.
Chlamydia sp.
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BD106214
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BD106214/c
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PN JP 2001513996-A/47
PD 11-SEP-2001
PF 18-AUG-1998 JP 2000507794
PR 22-AUG-1997 US 08/916384,06-MAY-1998 US 09/073567 PI
JIANDONG CHEN, SUDHIR AGRAWAL, RUIWEN ZHANG
PC C12N15/09, A61K31/47, A61K31/7088, A61K48/00, A61P35/00, CO7H21/00,
PC C12N15/00
CC Strandedness: Both;
CC Antisense oligonuclectide specific to MDM2
FH Key 1. Clocation/Qualifiers
FT source (or Corporation Corporatio
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JP 2001321190-A/1048
20.000-2001
12-MAN-2001
BIICHI SOEDA
CI2N15/09,CI2N15/09,CI2Q1/68,G01N33/53,G01N33/566, PC
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Patent: JP 2001321190-A 1048 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
GENOTECHS
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Antisense oligonucleotide specific to MDM2.
                                                                                                                                                                                                                                                                                                                                                                           unclassified.

1 (bases 1 to 20)
Chin,J., Agrawal, S. and Zhang, R.
Antisense oligonucleotide specific to MDM2
Patent: JP 2001513996-A 47 11-SEP-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 20; DB 1; Le
Pred. No. 7.9e+02;
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0.8%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 7.9
Matches 20; Conservative 0; Mismatches
    0; Mismatches
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    .20
    /organism="unidentified"
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                                                1038 GATCAGTTTAGTGTAGAATT 1057
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JP 2001513996-A/47.
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JP 2001321190-A/1048.
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BD088804
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AUTHORS
TITLE
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Matches
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VERSION
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JP 2001321190-A/1482
20-NOV-2001
12-MAP 2001 JP 2001068285
EIICHI SOEDA
CI2NIS/09,CI2NIS/09,CI2MI/00,CI2QI/68,G01N33/53,G01N33/566,
                                         Key
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A method of arraying genome clone
Patent: JP 2001321190-A 1482 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
C12N15/00,
C12N15/00
Description of Artificial Sequence:Synthetic DNA FH
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Description of Artificial Sequence:Synthetic DNA FH Location/Qualifiers
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Location/Qualifiers
                                                                                           /organism='Artificial Sequence'
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                   DB 1; Le
7.9e+02;
                                                                                                                                     1...20
/organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"

    .20
    /organism="synthetic construct"

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                                                                                                                                                                                                                               Query Match 0.8%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 7.5 Matches 20; Conservative 0; Mismatches
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A method of arraying genome clone.
BD089238
BD089238.1 GI:22634848
JP 2001321190-A/1482.
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                                                                                                                                                                                                                                                                                                             2337 CTCCCAAAGTGCTGGGATTA 2356
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                                                                                                                                                                                                                                                                                                                                     CICCCAAAGIGCIGGGAITA 20
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synthetic construct
artificial sequences.
1 (bases 1 to 20)
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BD138077.1 GI:23233022

JP 2002508944-A/3.

unidentified

unclassified.

in (bases 1 to 20)

Miragliad.L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.

Antisense modulation of human MDM2 expression

Patent: JP 2002508944-A 3 26-MAR-2002;

ISIS PHARMACEUTIALS INC

OS Unidentified

PN JP 2002508944-A/3

PP 26-MAR-1999 JP 2000538025

PR 26-MAR-1999 US 09/048810

PI LOREN J MIRAGLIA, PAMBLA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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                                                                                                                                                                                                                                                                                                                        PAT 18-SEP-2002
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
                                                                                                                                                     Gaps
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                                                                                                         Query Match 0.8%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 7.9e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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Antisense modulation of human MDM2 expression.
BD138077
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                   1. .20
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Location/Qualifiers
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Strandedness: Single;
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JP 2002508944-A/4.
unidentified
unidentified
unclassified.
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ACCESSION
VERSION
KEYWORDS
SOURCE
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BD138077/c
LOCUS
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                       source
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LOCUS
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TITLE
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PD 15-JAN-22002
PP 15-JAN-2002
PP 15-APR-1998 JP 1998543635
PR 15-APR-1999 US 60/043553,05-JUN-1997 US 60/048740 PI
JOHN ANDREW TODD, JOHN WILFRED HESS,CHARLES
THOMAS CASKEY,ROGER
PI DAVID COX,
PI DAVID COX,
PI DAVID COX,
PC C12N15/12,C12N15/11,C12Q1/68,C07K14/705,C07K16/28,A61K38/17,PC
PC A61K48/00
CC Strandedness: Single;
CC Topology: Linear;
FH Key
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JP 2002017375-A/3636
22-JAN-2002
07-JUL-2000 JP 2000253172
TOSHIO OTA, TETSUO NISHIKAWA, TAKAO ISOGAI, KOJI HAYASHI, SHIZUKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PC C12P21/02,C12Q1/68//C12P21/08,G06F17/30,C12N15/00,C12N5/00 CC
Description of Artificial Sequence: an artificially CC
synthesized primer
CC sequence
CC sequence
Location/Qualifiers
FT source
1. 20
/organism='Unidentified'.
                               Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D., Hammond, H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/ PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 20)
Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y.,
Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and
                                                                        Novel iDL-receptor
Patent: JP 2002501376-A 229 15-JAN-2002;
THE WELLCOME TRUST LTD AS TRUSTEE TO THE WELLCOME TRUST, MERCK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PI ISHII,
PI YURI KAWAI,AI WAKAMATSU,TOMOYASU SUGIYAMA,KEIICHI NAGAI,
SHINICHI KOJIMA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
Bacteria; Chlamydiae; Chlamydiales; Chlamydiaceae; Chlamydia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Primer for synthesizing full-length cDNA and use thereof
Patent: JP 2002017375-A 3636 22-JAN-2002,
HELIX RESEARCH INSTITUTE
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                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2344 AGTGCTGGGATTACAGGCAT 2363
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BD128205.1 GI:23223150
JP 2002017375-A/3636.
unidentified
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ACCESSION
VERSION
KEYWORDS
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BD128205/c
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                 REFERENCE
AUTHORS
                                                                      TITLE
JOURNAL
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AUTHORS
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JOURNAL
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DB 1; Le.
                             Query Match

0.8%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 7.5
Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C12N15/00
Strandedness: Single;
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BD138081/c
LOCUS
DEFINITION
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BD138080/c
LOCUS
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ORGANISM
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AUTHORS
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JOURNAL
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AUTHORS
TITLE
JOURNAL
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                                                                                                                                                                             26-WAR-1999 JP 2000538025
26-WAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single,
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C12Q1/68,
Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M. Antisense modulation of human MDM2 expression Patent: JP 2002508944-A 4 26-MAR-2002; SIS PHARMACEUTICALS INC OS Unidentified PN JP 2002508944-A/4 PD 26-MAR-2002 PP 26-MAR-2002 PP 26-MAR-1999 JP 200538025 PR 26-MAR-1999 JP 200538025 PR 26-MAR-1999 JP 200550894 PR 26-MAR-1999 JP 200550894 PR 26-MAR-1999 JP 200550894 PR 26-MAR-1999 JP 200550894 DP 1 LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LED PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LED
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
BD138079
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Location/Qualifiers
1. .20
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/db_xref="taxon:32644"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism='Unidentified'

    .20
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/db_xref="taxon:32644"

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BD138079.1 GI:23233024 JP 2002508944-A/5. unidentified
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DEFINITION
ACCESSION
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KEYWORDS
SOURCE
ORGANISM
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BD138079/c
                          TITLE
JOURNAL
  AUTHORS
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Duls0080.1 GI:23233025

Unidentified

unidentified

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unclassified.

I (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.

Antisense medulation of human MDM2 expression

Patent: JP 2002508944-A 6 26-MAR-2002;

ISIS PHRAMACEUTICALS INC

OS Unidentified

PN JP 2002508944-A/6

PN JP 200250844-A/6

PN JP 200250844-A/6

PN JP 20025084
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SION BD138081.
BD2002508944-A/7.

CE 1 (bases 1 to 20)
RS Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
AL Patent: JP 2002508944-A 7 26-MAR-2002;
SS Unidentified
OS Unidentified
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C12Q1/68,
                                                                                                         Gaps
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Length 20;
                                                                                                   0; Indels
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unclassified.

1 (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 10 26-MAR-2002;
ISIS PHARMACEOTICALS INC
OS Unidentified
PN JP 2002508944-A/10
PP 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM, BRETT P MONIA, LEX M
                                                                                                                                                                                                               unidentified
unclassified.

M. Chases I to 20)
Miraglia, L.J., Mero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 9 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/9
PD 26-MAR-2002
PP 36-MAR-1999 JP 2000538025
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMBLA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single,
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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100.0%; Pred. No. 7.9e+02;
tive 0; Mismatches 0; Indels
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Antisense modulation of human MDM2 expression.
BD138083
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Antisense modulation of human MDM2 expression.
BD138084
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     273 CTCCAAGCGCGAAAACCCCG 292
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                       CICCAAGCGCAAAACCCCG 1
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JP 2002508944-A/9.
unidentified
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JP 2002508944-A/10.
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Matches 20; Conserva
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VERSION
KEYWORDS
SOURCE
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BD138083/c
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BD138084/c
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ACCESSION
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TITLE
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JOURNAL
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KEYWORDS
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                            26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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unclassified.

1 (bases 1 to 20)

2 Miraglia-L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression

L Patent: JP 2002508944-A 8 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/8
PP 26-MAR-2002
PP 26-MAR-2002
PP 26-MAR-1999 JP 200538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX M
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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
                                                                                                    C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
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C12Q1/68,
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
                                                                                                                                                                                                                                              /organism='Unidentified'
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Pred. No. 7.9e+02;
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Strandedness: Single;
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Strandedness: Single;
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JP 2002508944-A/8.
JP 2002508944-A/7
26-MAR-2002
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VERSION
KEYWORDS
SOURCE
ORGANISM
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LOCUS
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TITLE
JOURNAL
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20 bp DNA link
Antisense modulation of human MDM2 expression.
BD138087
                               BD138086 20 bp DNA lin
Antisense modulation of human MDM2 expression.
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 20; DB 1; Le
larity 100.0%; Pred. No. 7.9e+02;
Conservative 0; Mismatches 0;
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JP 2002508944-A/12.
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Best Local Similarity
Matches 20; Conserv
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RESULT 475
BD138086/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
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LOCUS
DEFINITION
ACCESSION
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AUTHORS
TITLE
JOURNAL
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AUTHORS
TITLE
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KEYWORDS
SOURCE
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26-WAR-1998 US 09/048910
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
            C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COWSERT
C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     unclassified.

1 (bases 1 to 20)
Miraglia, L.,J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 11 26-MAR-2002;
OS Unidentified
PN JP 2002508944-A/11
PD 26-MAR-2002
PF 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 JP 2000538029
PR 26-MAR-1999 JP 2000538029
PR 26-MAR-1999 JP 2000538029
PR 26-MAR-1998 US 09/048810
PR 16-MAR-1998 US 09/048810
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Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
                                                                                        Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
BD138085
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Location/Qualifiers

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                                                                       Strandedness: Single;
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TITLE
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unclassified.
1 (bases to 20)
SMiraglia, L. J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
L Patent: JP 2002508944-A 12 26-MAR-2002;
SIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/12
PP 26-MAR-1999 JP 200538025
PP 26-MAR-1999 UP 200538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 13 26-MAR-2002;
ISIS PHARMACEUTICALS INC
ON Unidentified
N JP 2002508944-A/13
PD 26-MAR-1999 JP 200538025
PP 26-MAR-1999 UP 200538025
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 10-REN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX I
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CIZNIS/00
Strandedness: Single;
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C12Q1/68,
C12N15/00
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Antisense modulation of human MDM2 expression FH
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Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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/organism="unidentified"
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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C12Q1/68,
                                                                                                                                                                                                                                                                                                                                                                                           unclassified.

1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 14 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentifieds
PD 26-MAR-2002
PD 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 US 009/048810
PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX
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               Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
BD138089
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Location/Qualifiers
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 7.9e+02;
ative 0; Mismatches 0;
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Strandedness: Single;
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JP 2002508944-A/14.
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Best Local Similarity 100
Matches 20; Conservative
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BD138088/c
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VERSION
KEYWORDS
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AUTHORS
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JOURNAL
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BD138090.1 GI:23233035

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E 1 (Dases 1 to 20)

Miraglial, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.

Antiseense modulation of human MDM2 expression

Datent: JP 2002508944-A 16 26-MAR-2002;

ISIS PHARMACEUTIALS INC

OS Unidentified

PN JP 2002508944-A/16

PD 26-MAR-1999 UP 2000538025

PR 26-MAR-1999 US 09/048810

PI LOREN J MIRAGLIA, PAMBLA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
unclassified.

1 (bases 1 to 20)
Miraglia,L.J., Nerro,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 15 26-MAR-2002;
ISIS PHARMAGEUTICALS INC
ON Unidentified
PN JP 2002508944-A/15
PD 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 10AEN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single;
                                                                                                                                                                                                                                                                                                                                                                   C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
C12N15/00
Strandedness: Single;
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Location/Qualifiers
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FEATURES

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AUTHORS Miraglia L. Lead

AUTHORS Miraglia L. J. Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
TITLE Antisense modulation of human MDM2 expression
TSIS PHARMACEUTICALS INC
ENT OS Unidentified
PN JP 2002508944-A/19
PD 26-MAR-1999 JP ^^
PR 26-MAR-1999 JP ^^
Page 1

AUTHORS Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
TITLE Antisense modulation of human MDM2 expression
TOURNAL Patent: JP 2002508944-A 18 26-MAR-2002;
TSIS PHARMACEUTICALS INC

"ENT OS Unidentified
PN JP 2002508944-A/18
PD 26-MAR-1999 JP 27
PR 26-MAR-1999 JP 27
PR 26-MAR-1999 JP 27
PR 26-MAR-1999 JP 27
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26-MAR-1999 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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26-MAR-2002
26-MAR-1999 UP 2000538025
26-MAR-1999 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12N15/00
Strandedness: Single;
Topology: Linear;
Antisense modulation of human MDM2 expression FH Key
Location/Qualifiers
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C12Q1/68,
C12N15/00
Strandedness: Single;
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Antisense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression.
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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BD138093/c
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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CI2N15/00
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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N BD138091
BD138091.1 G1:23233036
Up 2002508944-A/17.
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Location/Qualifiers
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100.0%; Pred. No. 7.9e+02;
tive 0; Mismatches 0;
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/organism="unidentified"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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JP 2002508944-A/18.
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unclassified.
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Best Local Similarity 100.
Matches 20; Conservative
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BD138092/c
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TITLE
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VERSION
KEYWORDS
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Length 20; 0; Indels PAT 18-SEP-2002

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Query Match Best Local (

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REFERENCE AUTHORS TITLE JOURNAL

COMMENT

RESULT 483 BD138094/c

LOCUS

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Mirabasified.

1 (bases 1 to 20)

Miraglia,L.J., Nerco,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.

Antisense modulation of human MDM2 expression

Patent: JP 2002508944-A 22 26-MAR-2002;

ISIS PHARMAGEUTICALS INC

S Unidentified

PN JP 2002508944-A/22

PD 36-MAR-1999

PP 26-MAR-1999

PP 26-MAR-1999

PR 26-MAR-1999

PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
Unidentified
JP 2002508944-A/21
26-MAR-2002
26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                                                                                                                                                                                                C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
C12N15/00
Strandedness: Single;
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C12Q1/68,
C12N15/00
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
1..20
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antiense modulation of human MDM2 expression.
BD138096 Graph Graph
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100.0%; Pred. No. 7.9e+02;
Live 0; Mismatches 0;
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    /organism="unidentified"
    /mol_type="genomic DNA"
    /db_xref="taxon:32644"

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unclassified.

E 1 (bases 1 to 20)

S Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression

L PSTS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/20
PD 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
C12N15/00
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Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M. Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 21 26-MAR-2002;
ISIS PHARMACEUTICALS INC
                                                                                                                Gaps
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Antisense modulation of human MDM2 expression FH
                                                  O.8%; Score 20; DB 1; Length 20; Similarity 100.0%; Pred. No. 7.9e+02; Onservative O; Mismatches O; Indels
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Antisense modulation of human MDM2 expression.
BD138094
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Antisense modulation of human MDM2 expression.
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Location/Qualifiers

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/db_xref="taxon:32644"
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JP 2002508944-A/20.
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BD138095.1 GI:23233040
JP 2002508944-A/21.
unidentified
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FEATURES

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RESULT 484 BD138095/c

LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

AUTHORS TITLE REFERENCE

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PAT 18-SEP-2002

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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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BD138108.1 GI:23233053
JP 2002508944-A/34.
unidentified
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JOURNAL
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AUTHORS
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Patent: JP 2002508944-A 25 26-MAR-2002;
S. Unidentified
S. Unidentified
D. J. P. 2002508944-A/25
PR 26-MAR-1999 UP 200538025
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 10 CREN J MIRAGILA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12N1S/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
C12N1S/00
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1 (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 33 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2005208944-A/33
PD 26-MAR-2002
PF 26-MAR-1999 JP 200538025
PR 26-MAR-1999 US 09/048810
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Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
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Antieense modulation of human MDM2 expression.
BD138107
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Location/Qualifiers
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            GTACTTTTAGTAGACAGG 2275
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                           20 GTACTTTAGTAGAGACAGG 1
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JP 2002508944-A/33.
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BD138099/c
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BD138107/c
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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
CI2NI5/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
C12N15/00
Strandedness: Single;
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
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1 (bases 1 to 20)
Miraglia,L.J., Werc,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Pacent: JP 2002508944-A 34 26-MAR-2002;
ISIS PHARMAGEUTICALS INC
OS Unidentified INC
OS Unidentified PP 2002508944-A/34
PP 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 UP 2000538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM, BRETT P MONIA,LEX
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
                                                                                            Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
1. 20
                                                                                                                                                                                                                                                                                                                                                 Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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Antisense modulation of human MDM2 expression.
                                                                                                                                                                                    /organism='Unidentified'
Location/Qualifiers
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Location/Qualifiers
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Conservative 0; Mismatches
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/mol_type="genomic DNA"
/db_xxef="taxon:32644"
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Strandedness: Single;
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26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              unclassified.

1 (bases 1 to 20)

1 (bases 1 to 20)

Miraglia,L.J., Nerc,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944A 37 26-MAR-2002;
ISIS PHARMACEUTICALS INC
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                               Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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larity 100.0%; Pred. No. 7.9e+02;
Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                     ch 0.8%; Score 20; DB 1; Length 20; 1 Similarity 100.0%; Pred. No. 7.9e+02; 20; Conservative 0; Mismatches 0; Indels
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LOCUS BD138112 20 bp DNA line
DEFINITION Antisense modulation of human MDM2 expression.
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Location/Qualifiers
                                                                                         /organism='Unidentified'

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Strandedness: Single;
              Strandedness: Single;
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BD138111.1 G1:23233056
JP 2002508944-A/37.
unidentified
unidentified
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JP 2002508944-A/37
26-MAR-2002
C12N15/00
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Matches 20; Conservat
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Best Local Similarity
Matches 20; Conserva
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BD138111/c
LOCUS
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JOURNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AUTHORS Antisense modulation of human MDM2 expression
CURNAL IS PARAMACEUTICALS INC
ENT OS Unidentified
PN JP 2002508944-A/36
PD 26-MAR-1999 JP ~
PR 26-MAR-1999 JP ~
PR 26-MAR-1999 JP ~
                                                                                                                                                                                                                                                               JP 2002508944-A/35
26-MAR-2002
26-MAR-1999 UP 2000538025
26-MAR-1999 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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                                            PAT 18-SEP-2002
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
                                                                                                                                                                                                                                                                                                                                                                                  C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
                                                                                                                                                  unclassified.

1 (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antiense medulation of human MDM2 expression
Patent: JP 2002508944-A 35 26-MAR-2002;
OS Unidentified
PD 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 JP 2000538025
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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                                            linear
                                  20 bp DNA line
Antisense modulation of human MDM2 expression.
BD138109
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C12N15/00
Strandedness: Single;
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                                                                                      BD138109.1 GI:23233054
JP 2002508944-A/35.
unidentified
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         RESULT 489
BD138109/C
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DEFINITION
ACCESSION
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BD138110/c
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KEYWORDS
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AUTHORS
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AUTHORS
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KEYWORDS
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50 GGAAAGATGGAGCAAGAAGC 69
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                                                                                                                                                                                           20 GGAAAGATGGAGCAAGAAGC 1
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    Bource
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LOCUS
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TITLE
JOURNAL
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                              FEATURES
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Patent: JP 2002508944-A 39 26-MAR-2002;
S DiamacEUTICALS INC
S Unidentified
N J 2002508944-A/39
PD 26-MAR-2002
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1998 US 09/048810
PR 26-MAR-1998 US 09/048810
PR LOREN J MIRAGILA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                                                               Miraglia, L. J. Nero, P., Graham, M. J., Monia, B. P. and Cowsert, L. M. Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 38 26-MAR-2002;
S Unidentified
PN JP 2002508944-A/38
PD 26-MAR-2002
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1998 US 09/048810
PR 26-MAR-1998 US 09/048810
PR LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CI2NI5/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
CI2Q1/68,
CI2N15/00
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Topology: Linear;
Antiense modulation of human MDM2 expression FH
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                    Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
BD138113
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Location/Qualifiers

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            BD138112.1 GI:23233057
JP 2002508944-A/38.
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JP 2002508944-A/39.
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            VERSION
KEYWORDS
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BD138113/c
                                                                              REFERENCE
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C12015/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12015/68,
C12015/00
Strandedness: Single,
Topology: Linear;
Antisense modulation of human MDM2 expression FH Key
Location/Qualifiers
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                 DB 1; Length 20; 7.9e+02;
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BD138115
BD138115.
GI:23233060
JP 2002508944-A/41.
unidentified
unidentified
/organism='Unidentified'. Location/Qualifiers
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0.8%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 7.9
Matches 20; Conservative 0; Mismatches
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Gaps

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PAT 18-SEP-2002

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Miragila, L. J., Nero, P., Graham, M. J., Monia, B. P. and Cowsert, L. M. Antisense modulation of human MDM2 expression
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 43 26-MAR-2002;
SISTEMARAGEUTICALS INC
OS Unidentified
PN JP 2002508944-A/43
PD 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 10-REN J MIRAGILA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
C12N15/00
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Patent: JP 2002508944-A 44 26-MAR-2002;
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Topology: Linear;
Antieense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
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Location/Qualifiers
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Pred. No. 7.9e+02;
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/organism="unidentified"
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/db_xref="taxon:32644"
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JP 2002508944-A/44.
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1 (bases 1 to 20)
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ACCESSION
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VERSION
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BD138117/c
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BD138118/c
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TITLE
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TITLE
JOURNAL
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AUTHORS Miraglia, L. J., Nero, P., Graham, M. J., Monia, B. P. and Cowsert, L. M. Antisense modulation of human MDM2 expression
TITLE Antisense modulation of human MDM2 expression
YOURNAL PARENT: 2002508944-A 41 26-MAR-2002;
ENT OS Unidentified
PN JP 2002508944-A/41
PD 36-MAR-1002
PF 26-MAR-1999 JP 27-
PR 26-MAR-1999 JP 27-
PI 77-
PI 77
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unclassified.

1 (bases 1 to 20)
S Miraglia,L.J., Mero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
I Patent: JP 2002508944-A 42 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/42
PD 26-MAR-1999 JP 200538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM, BRETT P MONIA,LEX M
                                                                                                                                                                                                                                                                                                                                                                      26-WAR-1999 JP 2000538025
26-WAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antigense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression.
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;

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C12N15/00
Strandedness: Single;
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JP 2002508944-A/42.
unidentified
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BD138116/c
                                                                                                                                                                                    REFERENCE
AUTHORS
TITLE
JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACCESSION
VERSION
KEYWORDS
SOURCE
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AUTHORS
TITLE
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PAT 18-SEP-2002

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unclassified.

If (bases 1 to 20)

Mraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Antisense modulation of human MDM2 expression
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A 46 26-MAR-2002;
PN JP 2002508944-A/46
PP 26-MAR-1999 JP 200538025
PP 26-MAR-1999 US 00954810
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                                                                                                                                                  PAT 18-SEP-2002
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1 (bases 1 to 20)

Miraglia, L.J., Wero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.

Antisense modulation of human MDM2 expression

Patent: JP 2002508944-A 47 26-MAR-2002;

ISIS PHARMACEUTICALS INC

SO Unidentified

PN JP 2002508944-A/47

PD 26-MAR-2002

PF 26-MAR-1999 JP 2000538025
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.00.0%; Pred. No. 7.9e+02;
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Antisense modulation of human MDM2 expression.
BD138121
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Antisense modulation of human MDM2 expression.
BD138120
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Location/Qualifiers
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Matches 20; Conservative 0; Mismatches
       0; Mismatches
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                                        120 GCAGCCAGGAGCACCGTCCC 139
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                                                                 20 GCAGCCAGGAGCACGTCCC 1
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JP 2002508944-A/47.
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       Matches
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BD138119

CON Antieense modulation of human MDM2 expression.

BD138119.1 G1:23233064

JP 2002508944-A/45.

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El (bases 1 to 20)

Rivagliat.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.

Antieense modulation of human MDM2 expression

Elss PharmAccentricals INC

OS Unidentified

Patent: JP 2002508944-A/45

Patent: JP 2002508944-A/45

PR 26-MAR-1999 JP 200558025

PR 26-MAR-1999 JP 200558025

PR 26-MAR-1999 JP 200538025

PR 26-MAR-1999 JP 200538025

PR 26-MAR-1999 JP 2006338025

PR 26-MAR-1999 JP 2006338025
                                JP 2002508944-A/44
26-WAR-2002
26-WAR-1999 JP 2000538025
26-WAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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CI2Q1/68,
CI2N15/00
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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larity 100.0%; Pred. No. 7.9e+02;
Conservative 0; Mismatches 0; Indels
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Location/Qualifiers

    .20
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/mol_type="genomic DNA"
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PHARMACEUTICALS INC
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PAT 18-SEP-2002

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BD138123.1 G1:23233068
BD138123.1 G1:23233068

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SET (Dasse 1 to 20)
IN inagliar, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
Detent: JP 2002508944-A 49 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/49
PD 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                                                                                                                                                                                                                                                                                                                                                                                            C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
C12N15/00
Strandedness: Single;
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C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
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1 (bases 1 to 20)
Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 50 26-MAR-2002;
SUNIGHILIFIED INC
OS Unidentified
PD 26-MAR-2002
PP 26-MAR-1998 JP 2000538025
PR 26-MAR-1998 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers

Source
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                                                                  linear
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Antisense modulation of human MDM2 expression.
BD138124
                                                      20 bp DNA lin
Antisense modulation of human MDM2 expression.
BD138123
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/organism="unidentified"
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JP 2002508944-A/50.
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BD138124/c
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BD138123/c
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L (bases 1 to 20)

S Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression

L Patent: JP 2005508944-A 48 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/48
PP 26-MAR-2002
PP 26-MAR-1999 JP 200538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
                                          COWSERT
C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
C12N15/00
Strandedness: Single;
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C12D1/68,
C12N15/00
Strandedness: Single;
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Antigense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
                                                                                                                                                                                          /organism='Unidentified'
Location/Qualifiers
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Location/Qualifiers
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Pred. No. 7.9e+02;
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JP 2002508944-A/48.
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Best Local Similarity 100.0
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Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944-A 52 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/52
PD 26-MAR-1999 JP 200538025
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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Antisense medulation of human MDM2 expression
Antisense medulation of human MDM2 expression
L. Patent: JP 200250844-A 53 26-MAR-2002;
On Unidentified
DN JP 2002508944-A/53
PD 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 UP 2000538025
PR 26-MAR-1999 US 09/046810
PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX M
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26-MAR-1909
26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COWSERT C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//C12N15/00 Strandedness: Single; Topology: Linear; Topology: Linear; Antisense modulation of human MDM2 expression FH Key Location/Qualifiers
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C12Q1/68,
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Antisense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression.
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        Antisense modulation of human MDM2 expression.
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Strandedness: Single;
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JP 2002508944-A/52.
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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Strandedness: Single;
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L bases 1 to 20)
S Miraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antiense modulation of human MDM2 expression
L Patent: JP 2002508944-A 54 26-MAR-2002;
S Unidentified
PN JP 2002508944-A/54
PD 26-MAR-1999 UP 2000538025
PF 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
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C12N15/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C1201/68,
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Strandedness: Single,
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1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human WDM2 expression
Patent: JP 2002508944-A 55 26-MAR-2002;
ISIS PHARMAGUTICALS INC
OS Unidentified
PN JP 2002508944-A/55
PD 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX M
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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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Strandedness: Single;
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Strandedness: Single;
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Antisense modulation of human MDM2 expression FH
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Matches 20; Conservative 0; Mismatches 0;
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26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX
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C12Q1/68,
C12N15/00
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1 (bases 1 to 20)

Miraglad,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antiense modulation of human MDM2 expression
Patent: JP 2002508944-A 57 26-MAR-2002;
SS Unidentified
NO JP 2002508944-A/57
PD 26-MAR-2002
PF 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 UP 2000538025
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1 (bases 1 to 20)
Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
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Topology: Linear;
Antisense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression.
BD138131
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Antisense modulation of human MDM2 expression.
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0.8%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;

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BD138132.1 GI:23233077
JP 2002508944-A/58.
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JP 2002508944-A/57.
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BD13813.1 GI:23233078

BD138133.1 GI:23233078

Unidentified

Unclassified.

In (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.

Antisense modulation of human MDM2 expression

L Patent: JP 2002508944-A 59 26-MAR-2002;

OS Unidentified

PD 26-MAR-2002

PP 26-MAR-1999 JP 2000538025

PP 26-MAR-1999 US 09/048810

PI LOREN J MIRAGLIA,PAMELA NERO,MARK J GRAHAM,BRETT P MONIA,LEX M
                                                               JP 2002508944-A/58
26-MAR-2002
26-MAR-1999 JP 2000538025
26-MAR-1999 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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JP 2002508944-A/59
26-MAR-12002
26-MAR-1999 JP 2000538025
26-MAR-1999 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single;
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C12Q1/68,
C12N15/00
Strandedness: Single,
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Antisense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression.
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Location/Qualifiers
Patent: JP 2002508944-A 58 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/58
PD 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J G
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26-MAR-1999 JP 2000538025
26-MAR-1998 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single;
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C12Q1/68,
                                                                                                                               Topology: Linear;
Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;

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BD138136/c
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unclassified.

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Miraglia, L. J., Noro, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression

L. Patent: JP 2002508944-A 60 26-MAR-2002;

ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944-A/60
PD 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 UP 2000538025
PR 26-MAR-1999 UP 2000538015
PR 26-MAR-1999 US 09/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
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1 (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944 61 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PN JP 2002508944 A/61
PD 26-MAR-2002
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Antisense modulation of human MDM2 expression FH
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100.0%; Pred. No. 7.9e+02;
ative 0; Mismatches 0; Indels
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Antisense modulation of human MDM2 expression.
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Antisense modulation of human MDM2 expression.
BD138135
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                                             298 TGAGGAGCAGGCAAATGTGC 317
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                                                               20 TGAGGAGCAGGCAAATGTGC 1
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JP 2002508944-A/60.
unidentified
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Best Local Similarity 100.0
Matches 20; Conservative
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BD138134/c
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BD138135/c
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BD138139/c
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BD138140/c
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AUTHORS
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1. [bases 1 to 20]

Wiraglia, L.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.

Antisense modulation of human MDM2 expression

In Patent: JP 2002508944-A 63 26-MAR-2002;

ISIS PHARMACEUTICALS INC

OS Unidentified

PN JP 2002508944-A/63

PD 26-MAR-1999 JP 2000538025

PR 26-MAR-1999 JP 2000538025

PR 26-MAR-1999 US 09/048810

PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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JP 2002508944-A/64
26-WAR-12002
26-WAR-1999 JP 2000538025
26-WAR-1999 US 09/048810
LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
                                                             PAT 18-SEP-2002
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C12N1S/00
Strandedness: Single;
Topology: Linear;
Antisense modulation of human MDM2 expression FH Key
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BD138137.1 GI:23233082
JP 2002508944-A/63.
unidentified
20 GGAGCAGGCAAATGTGCAAT
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                                                                   DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
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KEYWORDS
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                                   RESULT 517
BD138137/c
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BD138138/c
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In Chases Lto 20)

Miraglia, L.J., Nero.P., Graham, M.J., Monia, B.P. and Cowsert, L.M.

Miraglia, L.J., Nero.P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression

Antisense modulation of human MDM2 expression

L Patent: JP 2002508944-A 65 26-MAR-2002;

O Unidentified

PN JP 2002508944-A/65

PN JP 2002508944-A/65

PP 26-MAR-1999 JP 2000538025

PR 26-MAR-1999 US 09/048810

PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
C12N15/00
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C12N15/09, A61K48/00, A61P9/10, A61P17/06, A61P35/00, C07H21/04//
C12Q1/68,
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Antisense modulation of human MDM2 expression FH
Location/Qualifiers
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0.8%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred, No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                        Strandedness: Single;
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Antisense modulation of human MDM2 expression FH Location/Qualifiers source 1..20
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Antisense modulation of human MDM2 expression
Batent: JP 2002508944-A 66 26-MAR-2002;
SIS PHARMACEUTICALS INC
OS Unidentified
BN J2 2002508944-A/66
PD 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR LOREN J MIRAGILA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12N1S/00
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Topology: Linear;
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Antisense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression.
BD138140
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Antisense modulation of human MDM2 expression.
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Strandedness: Single;
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JP 2002508944-A/66.
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BD138141/c
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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
C12N15/00
Strandedness: Single;
Topology: Linear;
Antisense modulation of human MDM2 expression FH Key
Location/Qualifiers
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Miraglia, L.J., Nerc, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
Antisense modulation of human MDM2 expression
Patent: JP 2002508944 A 68 26-MAR-2002;
OS UNIAGANIZICALS INC
OS UNIAGANIZICALS INC
PN JP 2002508944-A/68
PD 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PR 26-MAR-1998 US 09/048810
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BD138143
BD138143.1 GT:23233088
JP 2002508944-A/69.
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Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.

Antisense modulation of human MINV2 expression
Antisense modulation of human MINV2 expression
Patent: JP 2002569944 A 71 26-MAR-2002;
SO Unidentified
PN JP 2002569944 A 71
PD 26-MAR-1999 US 200538025
PR 26-MAR-1999 US 2009538025
PR 26-MAR-1999 US 099/048810
PI LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12N1S/09,A61K48/00,A61P9/10,A61P17/06,A61P35/00,C07H21/04//
C12Q1/68,
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1 (bases 1 to 20)
Miraglia, L. J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M.
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Topology: Linear;
Antisense modulation of human MDM2 expression FH
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Antisense modulation of human MDM2 expression.
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JP 2002508944-A/71.
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                                          Miragila, J., J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M. Antisqula, J.J., Nero, P., Graham, M.J., Monia, B.P. and Cowsert, L.M. Antisques modulation of human MDM2 expression
Patent: JP 2002508944-A 69 26-MAR-2002;
S. Unidentified
PN JP 2002508944-A/69
PP 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PP 26-MAR-1999 US 09/048810
PR 26-MAR-1999 US 09/048810
PR 16-MAR-1999 US 09/048810
PR 16-MAR-1999 US 09/048810
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LOREN J MIRAGLIA, PAMELA NERO, MARK J GRAHAM, BRETT P MONIA, LEX M
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C12Q1/68,
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C12Q1/68,
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1 (bases 1 to 20)

Miraglia,L.J., Nero,P., Graham,M.J., Monia,B.P. and Cowsert,L.M.
Antieense modulation of human MDM2 expression
Patent: JP 2002508944-A 70 26-MAR-2002;
ISIS PHARMACEUTICALS INC
OS Unidentified
PP 26-MAR-2002
PP 26-MAR-2002
PP 26-MAR-1999 JP 2000538025
PR 26-MAR-1999 UP 2000538025
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Location/Qualifiers
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    /mol_type="genomic DNA"
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